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PB-298 439

Phytoplankton Water Quality Relationships in U.S. Lakes. Part I Methods, Rationale, and Data Limitations

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Mar 79

United States
Environmental Protection
Agency

Environmental Monitoring
and Support Laboratory
P.O. Box 15027
Las Vegas NV 89114

EPA-600/3-79-021
March 1979

Research and Development

PB 298439

EPA

Ecological Research Series

Phytoplankton Water Quality Relationships in U.S. Lakes Part I:

Methods, Rationale, and Data Limitations

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TECHNICAL REPORT DATA
(Please read Instructions on the reverse before completing)

1. REPORT NO. EPA-600/3-79-021	2.
3. RECIPIENT'S ACCESSION NO. PB298439	
4. TITLE AND SUBTITLE PHYTOPLANKTON WATER QUALITY RELATIONSHIPS IN U.S. LAKES PART I: Methods, Rationale, and Data Limitations	5. REPORT DATE March 1979
	6. PERFORMING ORGANIZATION CODE
7. AUTHOR(S) W. D. Taylor, L. R. Williams, S. C. Hern, V. W. Lambou, F. A. Morris*, and M. K. Morris*	8. PERFORMING ORGANIZATION REPORT NO.
9. PERFORMING ORGANIZATION NAME AND ADDRESS Environmental Monitoring and Support Laboratory Office of Research and Development U.S. Environmental Protection Agency Las Vegas, NV 89114	10. PROGRAM ELEMENT NO.
	11. CONTRACT/GRANT NO.
12. SPONSORING AGENCY NAME AND ADDRESS U.S. Environmental Protection Agency-Las Vegas, NV Office of Research and Development Environmental Monitoring and Support Laboratory Las Vegas, NV 89114	13. TYPE OF REPORT AND PERIOD COVERED Task completion
	14. SPONSORING AGENCY CODE EPA/600/07

15. SUPPLEMENTARY NOTES

*Department of Biological Sciences, University of Nevada, Las Vegas, NV 89154

16. ABSTRACT

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This report, Part I, presents the methodology, rationale, output format, and data limitations of the product. The physical, chemical, and morphometric conditions of the 250 lakes included in the study are described. The mechanics and logic of interfacing physical and chemical data (total phosphorus; orthophosphorus; nitrite-nitrate-, ammonia-, and total Kjeldahl-nitrogens; nitrogen/phosphorus ratio; Secchi disk transparency; chlorophyll a; turbidity; pH; total alkalinity; dissolved oxygen; and temperature) with biological data to establish the environmental requirements and the relative importance of phytoplankton are described.

17. KEY WORDS AND DOCUMENT ANALYSIS

a. DESCRIPTORS	b. IDENTIFIERS/OPEN ENDED TERMS	c. COSATI Field/Group
*aquatic microbiology lakes *phytoplankton water quality *freshwater biology nutrients	environmental requirements lake eutrophication water chemistry growth conditions plant nutrients	06 C, F, M 08 H 13 B

18. DISTRIBUTION STATEMENT RELEASE TO PUBLIC	19. SECURITY CLASS (This Report) UNCLASSIFIED	21. NO. OF PAGES 79
	20. SECURITY CLASS (This page) UNCLASSIFIED	22. PRICE PC A05/MF A01

EPA Form 2220-1 (Rev. 4-77) PREVIOUS EDITION IS OBSOLETE

EPA-600/3-79-021
March 1979

PHYTOPLANKTON WATER QUALITY RELATIONSHIPS IN U.S. LAKES
PART I: Methods, Rationale, and Data Limitations

by

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FOREWORD

Protection of the environment requires effective regulatory actions which are based on sound technical and scientific information. This information must include the quantitative description and linking of pollutant sources, transport mechanisms, interactions, and resulting effects on man and his environment. Because of the complexities involved, assessment of specific pollutants in the environment requires a total systems approach which transcends the media of air, water, and land. The Environmental Monitoring and Support Laboratory-Las Vegas contributes to the formation and enhancement of a sound monitoring data base for exposure assessment programs designed to:

- develop and optimize systems and strategies for monitoring pollutants and their impact on the environment
- demonstrate new monitoring systems and technologies by applying them to fulfill special monitoring needs of the Agency's operating programs

This report presents the methodology, rationale, and data limitations associated with studies to relate phytoplankton occurrence to specific environmental conditions and to derive trophic classification schemes therefrom. The studies are based upon data obtained from a nationwide population of 815 lakes sampled during 1972 to 1975. The information developed can be used to identify specific water quality indicators, classify lakes by trophic condition, relate factors in lake problem conditions and to predict or control algal forms associated with taste, odor, or toxicity in potential drinking water sources. This report was written for use by Federal, State and local governmental agencies concerned with water quality analysis, monitoring, and regulation. Private industry and individuals similarly involved with the biological aspects of water quality will find the document useful. For further information contact the Water and Land Quality Branch, Monitoring Operations Division.

George B. Morgan
Director
Environmental Monitoring and Support Laboratory
Las Vegas

ABSTRACT

During the spring, summer, and fall of 1972 through 1975, the National Eutrophication Survey (NES) sampled 815 lakes throughout the 48 contiguous United States. About 2½-million physical, chemical, and biological measurements were made of the lakes studied. In order to determine phytoplankton water quality relationships, the physical, chemical, and biological data were merged. From this merger it has been possible to establish the environmental requirements and relative importance of phytoplankton forms.

This report, Part I, presents the methodology, rationale, output format, and data limitations of the product. The physical, chemical, and morphometric conditions of the 250 lakes sampled during 1973 are described. The mechanics and logic of interfacing physical and chemical data (total phosphorus; orthophosphorus; nitrite-nitrate-, ammonia-, and total Kjeldahl-nitrogens; nitrogen/phosphorus ratio; Secchi disk transparency; chlorophyll a; turbidity; pH; total alkalinity; dissolved oxygen; and temperature) with biological data to establish the environmental requirements and the relative importance of phytoplankton are described.

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LIST OF ABBREVIATIONS AND SYMBOLS

TOTAL-DEPTH VALUES - chemical and physical data from the entire lake

PARTIAL-DEPTH VALUES - chemical and physical data from the photic zone

ROUND 1 - data collected during the spring

ROUND 2 - data collected during the summer

ROUND 3 - data collected during the fall

ROUND ALL - cumulative data through the sampling seasons

DOM - (numerical dominance) taxon constituted 10 percent or more of the numerical total cell concentration of each lake-date* sample in this category

NONDOM - (non-dominance) taxon was detected but constituted less than 10 percent of the numerical total cell concentration of each lake-date sample in this category

OCC - (occurrence) taxon was detected in each lake-date sample in this category

NONOCC - (non-occurrence) taxon was not detected in any of the lake-date samples represented in this category

MIN - minimum value of a given parameter for the nature of occurrence indicated

MAX - maximum value of a given parameter for the nature of occurrence indicated

MEAN - mean value of a given parameter for the nature of occurrence indicated

STDV - standard deviation of the mean

N - sample size

*Lake-date (sample, value, information, etc.) denotes specificity for a given lake on a single sampling date.

N </> :

N < - number of lakes with values less than the minimum (MIN)

> - number of lakes with values greater than the maximum (MAX)

O/WR:

O - number of occurrences

WR - number of lakes having values within the range defined by the MIN and MAX

CHLA - chlorophyll a (µg/l)

TURB - turbidity (% transmission)

SECCHI - Secchi disc (inches)

PH - standard pH units

DO - dissolved oxygen (mg/l)

TEMP - temperature (degrees Celsius)

TOTALP - total phosphorus (mg/l)

ORTHOP - dissolved orthophosphorus (mg/l)

NO2NO3 - nitrite-nitrate nitrogen (mg/l)

NH3 - ammonia nitrogen (mg/l)

KJEL - total Kjeldahl nitrogen (mg/l)

ALK - total alkalinity (expressed as $CaCO_3$, mg/l)

N/P - inorganic nitrogen (NO2NO3 + NH3)/total phosphorus (TOTALP)

CONC - number of cells, colonies, or filaments/ml

PERC - percent composition of numerical total

INTRODUCTION

During spring, summer, and fall of 1972 through 1975, the National Eutrophication Survey (NES) sampled 815 lakes throughout the 48 contiguous United States (Figure 1). About 2½-million physical, chemical, and biological measurements were made of the lakes studied. In order to determine phytoplankton water quality relationships, the physical, chemical, and biological data were merged. From this merger it has been possible to establish the environmental requirements and relative abundance of phytoplankton forms. The phytoplankton water quality relationships existing in the lakes sampled during 1973 are being determined first.

The physical and chemical lake data were summarized on a seasonal basis and organized according to phytoplankton numerical dominance or non-dominance and occurrence or non-occurrence. The summaries provide knowledge of the specific requirements or environmental limits for each taxon and are useful for the development of biological tools for monitoring and predicting water quality or trophic condition.

The purpose of this report is to present the methods used, rationale under which the study was carried out, and limitations of the data. A report series is necessary to present the large volume of information produced in this study. This report, Part I, is the first of the series "Phytoplankton Water Quality Relationships in U.S. Lakes". Parts II through V will present our findings by genus, arranged alphabetically, from lakes in the 17 eastern States sampled during 1973. Parts VI and VII will present an analysis of environmental relationships of common phytoplankton genera and evaluate trophic state indices, respectively. Additional interpretative reports and water quality relationships of phytoplankton species will be forthcoming.

Figure 1. Number and location of lakes sampled during the years indicated.

MATERIALS AND METHODS

LAKE SELECTION

Lakes and reservoirs included in the Survey were selected through discussions with State water pollution agency personnel and U.S. Environmental Protection Agency Regional Offices (U.S. EPA 1975). Screening and selection of the lakes sampled in 1972 and 1973 strongly emphasized lakes with actual or potential accelerated eutrophication problems. As a result, the selection was generally limited to lakes:

1. impacted by one or more municipal sewage treatment plants with outfalls discharging effluents either directly into the lake or into an inlet tributary within approximately 40 kilometers of the lake;

2. 40 hectares or larger in size; and

3. with a mean hydraulic retention time of at least 30 days.

Specific selection criteria were waived for some lakes of particular interest to the individual states. During 1974 and 1975, lakes were selected to broaden the spectrum of the water quality types represented.

FIELD SAMPLING METHODS

Lake sampling was accomplished by two sampling teams, each consisting of a limnologist, pilot, and sampling technician, operating from pontoon-equipped Bell UH-1H helicopters. A mobile field laboratory provided analytical support. With few exceptions, each lake was sampled under spring (Round 1), summer (Round 2), and fall (Round 3) conditions.

Sampling site locations were chosen to define the character of the lake as a whole and to investigate visible or known problem areas, e.g., algal blooms and sediment or effluent plumes (U.S. EPA 1975). The number of sites was limited by the survey nature of the program and varied in accordance with lake size, morphological and hydrological complexity, and practical considerations of time, flight range, and weather.

The Survey helicopters were equipped with electric winches and approximately 200 feet (61 meters [m]) of hollow-core, multi-conductor cable attached

to a submersible pump and an InterOcean Systems® sensor package capable of making *in situ* measurements of conductivity, temperature, optical transmissivity, and depth. Rack-mounted equipment located inside the helicopter provided analog recording capabilities and a digital display of the sensor values. An echo sounder, Secchi disc, sample containers, and related equipment items necessary for water sampling were also carried in each helicopter.

After landing at the station, the sensor-pump package was used to collect data and water samples at various depths. Sampling depths were selected to characterize the water column after inspection of analog strip-chart records generated during the initial pass of the sensor package through the water column.

Water samples were collected at each sampling depth for nutrient, alkalinity, pH, and dissolved oxygen determinations. For nutrient analyses, two 130-milliliter (ml) polyethylene sample bottles were filled and the samples immediately preserved with 0.25 ml of aqueous mercuric chloride solution (25 grams [g] of $HgCl_2$/l). Nutrient samples were shipped to the Environmental Monitoring and Support Laboratory-Las Vegas (EMSL-LV) for analysis.

At each sampling station, a chlorophyll a (CHLA) and a phytoplankton sample were taken. These depth-integrated samples were uniform mixtures of water from the surface to a depth of 4.6 m (15 feet) or from the surface to the lower limit of the photic zone (depth at which 1 percent of incident light remains), whichever was greater. If the depth at the sampling station was less than 4.6 m, the sample was taken from just off the bottom to the surface. Table 1 summarizes sample collection and handling procedures.

A Beckman Electromate® portable pH meter and combination electrode were used to determine pH immediately upon sample delivery to the field laboratory at the end of the day's sampling. Dissolved oxygen samples were titrated with phenylarsine oxide in the mobile field laboratory within 16 hours after collection. CHLA analyses were performed at the end of each day in the trailer laboratory according to the fluorometric procedure described by by Yentsch and Menzel (1963). One of each pair of nutrient samples was filtered through a type HA 0.45-micrometer Millipore® membrane filter into a clean, unused polyethylene bottle, recapped, and forwarded to EMSL-LV for analysis along with its unfiltered counterpart.

NUTRIENT ANALYSES

The analytical methods utilized to process the samples at EMSL-LV are outlined in Table 2. All of the analyses were performed utilizing adapations of automated procedures described in Mullins, et al. (1975).

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TABLE 1. LAKE WATER SAMPLE ANALYSIS SUMMARY*

PARAMETERS	SAMPLE VOLUME	FIELD TREATMENT	WHERE PERFORMED	DEPTH
Temperature (TEMP)			*In situ*	Continuous
Depth			*In situ*	Continuous
Turbidity (TURB)			*In situ*	Continuous
pH (PH)	4-ounce	Refrigerated, dark	Field lab	Select levels
Dissolved Oxygen (DO)	300-ml	Chemical fixation	Field lab	Select levels
Chlorophyll a (CHLA)	4-ounce	Refrigerated, dark	Field lab	Photic zone integration
Algal identification	4-ounce	Lugol's solution	EMSL-LV	Photic zone integration
Total Phosphorus (TOTALP), Kjeldahl-N (KJEL)	4-ounce	Unfiltered, HgCl	EMSL-LV	Select levels
Dissolved Orthophosphorus (ORTHOP), Nitrite-Nitrate-N (NO2NO3), Ammonia-N (NH3), Total Alkalinity (ALK)	4-ounce	Filtered, HgCl	EMSL-LV	Select levels

*Modified from U.S. EPA (1975).

TABLE 2. ANALYTICAL METHODS AND PRECISION OF LABORATORY ANALYSES

PARAMETER	METHOD	PRECISION
ORTHOP	Single reagent methods involving colorimetric determination of antimony-phosphomolybdate complex.	± 0.005 mg/l or ± 5%
TOTALP	Persulfate oxidation followed by the above method for dissolved orthophosphate.	± 0.005 mg/l or ± 5%
NO2NO3	Cadmium reduction, sulfanilamide diazotization by nitrite coupled with N-(1-naphthyl)-ethylene diamine.	± 0.010 mg/l or ± 5%
NH3	Alkaline phenol hypochlorite reaction producing indophenol blue, colorimetric.	± 0.005 mg/l or ± 5%
KJEL	Acid digestion followed by the above procedure for ammonia nitrogen.	± 0.10 mg/l or ± 5%
ALK	Methyl orange colorimetric.	± 0.5 mg/l or ± 5% as $CaCO_3$

PHYTOPLANKTON SAMPLE PREPARATION

Four ml of Acid-Lugol's preservative solution (Prescott 1970) were added to each site-specific 130-ml sample at the time of collection. The samples were shipped to EMSL-LV, where equal volumes from each site were mixed to form two 130-ml composite samples for a given lake. One composite sample was placed in storage and the other was used for the examination.

Prior to examination, the composite samples were concentrated by allowing the solids to settle for at least 24 hours and drawing off the supernate. Final concentrations varied from 15 to 40 times the original, depending upon the paucity of the phytoplankton in the sample. Wet mounts and heat-treated Hyrax-mounted diatom slides were prepared for species identification.

PHYTOPLANKTON EXAMINATION

The phytoplankton samples were examined with the aid of binocular compound microscopes. A preliminary examination was performed to identify and list the forms encountered. The length of this examination varied depending on the complexity of the sample. An attempt was made to find and identify all of the

forms present in each sample. Diatom slides were examined with a standard light microscope. When greater resolution was essential to accurately identify the diatoms, a phase-contrast microscope was used.

After the species list was compiled, phytoplankton were enumerated at 400X magnification (40X objective lens) using a Neubauer counting chamber. All forms within each field were counted. The count was continued until a minimum of 100 fields had been viewed, or until the dominant form had been observed a minimum of 100 times.

QUALITY ASSURANCE

A routine quality assurance program was maintained at each level of the operation, e.g., sample collection, mobile field laboratory analyses, and EMSL-LV laboratory analyses. Quality assurance for phytoplankton analyses included routine internal and external replicate analyses. External phytoplankton quality control of both identification and enumeration was performed by Dr. G.W. Prescott of the University of Montana. Detailed descriptions of quality assurance procedures are given in U.S. EPA (1975) and Taylor, et al. (1977).

DATA STORAGE AND MANIPULATION

The physical and chemical data collected by the Survey were input to STORET (STOrage and RETrieval), the U.S. EPA computer system which processes and maintains water quality data. The phytoplankton data (species lists and differential counts) were stored on disc packs accessible through WYLBUR, a text editor. Data manipulation was as prescribed by Bliss, et al. (1976).

During any given round (ROUND 1 [spring]; ROUND 2 [summer]; and ROUND 3 [fall]), phytoplankton samples from stations within a lake were composited in such a way as to give each station equal weight. Chemical and physical data were calculated so as to provide equivalent weight to each depth sampled at a station and each sampling station sampled on an individual lake during a sampling round.

Mean parameter values for each sampling station were calculated as follows (Lambou, et al. 1976):

$$\overline{Par}_j = \sum_{i=1}^{D} Par_i/D \qquad (1)$$

where $\overline{Par}_j$ = mean value for a parameter at the j^{th} sampling station during a sampling round (lake-date),

Par_i = value for the i^{th} depth,

and D = the number of depths for which a parameter was measured at the j^{th} sampling station during a sampling round.

Mean parameter values for each sampling round were calculated as follows:

$$\overline{\overline{Par}}_k = \sum_{j=1}^{S} \overline{Par}_j / S \qquad (2)$$

where $\overline{\overline{Par}}_k$ = mean value for the k^{th} sampling round on a given lake,

and S = number of sampling sites.

Formulas 1 and 2 were used to determine mean parameter values for total phosphorus (TOTALP), dissolved orthophosphorus (ORTHOP), ammonia-N (NH3), nitrite-nitrate-N (NO2NO3), ammonia-nitrite-nitrate-N (IN), total Kjeldahl-N (KJEL), dissolved oxygen (DO), and total alkalinity (as $CaCO_3$) (ALK), all expressed in milligrams per liter (mg/l); temperature in degrees Celsius (°C) (TEMP); turbidity in percent transmission (TURB); pH (PH); and Secchi disc in inches (SECCHI).

The mean ratio of IN/TOTALP (N/P) for each sampling station was calculated as follows:

$$\overline{N/P} = \overline{IN}/\overline{TOTALP}$$

where $\overline{N/P}$ = the mean inorganic nitrogen value divided by the mean total phosphorus value at the mean station level. However, at the Formula 1 level a total phosphorus value was deleted if either nitrogen complement was missing. Values for each round were calculated using Formula 2.

Unlike the above parameters where measurements were made at various depths, only one CHLA measurement was made at any individual sampling station during a sampling round. Therefore,

$$\overline{CHLA}_j = CHLA$$

where $\overline{CHLA}_j$ = the mean CHLA concentration in micrograms per liter (µg/l) for the j^{th} sampling station during a sampling round,

and CHLA = the CHLA concentration in µg/l for a depth-integrated water sample. Values for each round were calculated using Formula 2.

PHYSICAL AND CHEMICAL CHARACTERISTICS OF LAKES

The previously described meaning procedure was used to create total-depth parameter and partial-depth parameter lists. Tables B-1 and B-2 in Appendix B present these lists for the lakes in 17 eastern States sampled during 1973. These lists provide the data accessed in association with the occurrence of a genus (species) within a lake-date phytoplankton sample. The four-digit STORET number is the unique NES STORET identifier for the lake (Appendix A). The first two digits identify the State and the second two digits identify the lake. The DATE is a six-digit number in year, month and day order. ROUND is used to designate seasonality of sampling periods: "1" denotes the spring round, "2" - summer, and "3" - fall. ROUND 1 occurred between March 7 and July 1; ROUND 2 occurred between July 5 and September 18; and ROUND 3 sampling took place between September 19 and November 14, 1973.

The total-depth parameter list (Table B-1) was created from data collected at all sampling depths and resulted in mean values describing the entire lake, both horizontally and vertically. The partial-depth parameter list (Table B-2) used data points restricted to depths within the layer sampled for phytoplankton and chlorophyll a; these mean values describe physical and chemical lake conditions generally coinciding with the photic zone.

A series of histograms (Appendix C) are included to illustrate the distribution of lakes within the range of conditions encountered during the 1973 survey year. Figures C-1 through C-13 are based upon parameter values in Table B-2. These histograms are compiled from all lake-date combinations for which the specific data were present. As a result, up to 747 values may be included (249* study lakes x 3 seasonal rounds).

When considering the range of environmental conditions associated with the various categories of phytoplankton occurrence, it is valuable to be familiar with the range of characteristics of the survey lakes themselves. The 250 lakes and reservoirs sampled in 1973 were located in the eastern portion of the country (Figure 1) and are listed in Appendix A.

The variation in lake types ranged from mountain to coastal, humic to calcareous, and natural to artificial. Figures C-14 through C-19 illustrate the range of morphometric conditions for the NES lakes sampled in 1973. The morphometric characters include maximum depth, mean depth, surface area, lake volume, retention time, and drainage area. Morphometric data were obtained from reports prepared on each individual lake sampled by

*Data for Allegheny Reservoir (N.Y./Pa.) omitted.

NES, e.g., U.S. EPA (1976). Up to 249 values were used to generate each of these figures, depending upon data availability.

Moore's Lake, Delaware, was the smallest study lake, with a surface area of 0.1 square kilometers (km^2), while Keowee Lake, South Carolina, was the largest study lake with a surface area of 6,941 km^2. In terms of volume, Cumberland Reservoir, Kentucky, led the group of study lakes with a volume of 5572×10^6 $meters^3$.

The population of lakes sampled in 1973 split into the following trophic categories:

Category	Numbers of Lakes
Oligo-mesotrophic	5
Mesotrophic	35
Meso-eutrophic	14
Eutrophic	195

Such factors as chlorophyll a level, phosphorus and nitrogen species levels, Secchi disk transparency, dissolved oxygen level, and phytoplankton composition were considered in the trophic assignments.

The conspicuous absence of oligotrophic lakes may reflect, in some measure, the expected bias away from highest water quality lakes. However, no "trophic spectrum" comparison is available with similar lake populations, selected at random, to confirm this possibility.

The decided emphasis toward eutrophy indicated above is further illustrated in Table 3, which presents the range of chemical and physical conditions found. The primary nutrients, phosphorus and nitrogen forms, all have mean values well within generally accepted ranges of eutrophic (nutrient-enriched) conditions. CHLA and SECCHI mean values further support the general tendency toward eutrophy in the 1973 study lake population.

TABLE 3. PHOTIC ZONE STATISTICS: RANGE, MEAN, STANDARD DEVIATION, AND TOTAL NUMBER OF LAKE VALUES FOR EACH PARAMETER

Parameter	Minimum	Maximum	Mean	Standard Deviation	Number of Lake Values*
Total Phosphorus (µg/l)	4	4549	137	316	742
Dissolved Orthophosphorus (µg/l)	1	2009	60	175	741
Nitrite-Nitrate-N (µg/l)	17	9745	569	1066	742
Ammonia-N (µg/l)	20	3024	116	149	742
Total Kjeldahl-N (µg/l)	199	8199	1043	975	742
$\frac{\text{Inorganic N}^{**}}{\text{Total Phosphorus}}$ (N/P)	<0.1	210	14.1	22	742
Chlorophyll a (µg/l)	0.3	595	26.2	48	741
Turbidity (% transmission)	1	121***	72	23	645
Secchi Depth (inches)	1	252	48	36	736
pH	4.1	10.6	7.8	0.8	741
Dissolved Oxygen (mg/l)	0.7	19.2	7.8	2.1	732
Temperature (°C)	6.8	32.2	21.5	5.5	740
Total Alkalinity (mg/l as $CaCO_3$)	10	334	72	67	742

* There are more lake values than phytoplankton sample records since phytoplankton samples were not always available for each lake-date.

** Inorganic N (µg/l) = Nitrite-Nitrate-N (µg/l) + Ammonia-N (µg/l)

*** Several data points were recorded which exceed a theoretical maximum of 106 percent light transmission in water with the transmissometer calibrated for 100 percent transmission in air.

DATA ORGANIZATION

RATIONALE

Several data reduction alternatives were considered to interface the extensive phytoplankton data files and the even more extensive body of corresponding physical-chemical information. The likely users and potential applications of the NES phytoplankton data base were considered in determining the following criteria for development of the output format:

1. Retain the maximum feasible information content of the combined data files.

2. Contrast those conditions under which genera and species were merely detected, achieved high relative importance (dominance), or were not detected in sample analyses.

3. Compare seasonal occurrence distributions.

4. Contrast the associated environmental conditions among the various phytoplankton forms.

5. Provide an integrated data base amenable to further descriptive statistical analysis.

6. Define the range of environmental conditions in which naturally occurring phytoplankton populations are found.

7. Compare photic zone conditions with those of the entire water column.

8. Evaluate occurrence distributions relative to the "potential for occurrence" defined by the environmental factor limits.

9. Provide a straightforward (alphabetic) arrangement at the genus and species levels unencumbered by conflicting higher-order taxonomy.

The flow diagram (Figure 2) presents the mechanics of interfacing the physical and chemical data maintained in STORET with the phytoplankton data contained in a separate computer disk pack. Recall that each physical and chemical data point represents the measurement of a particular parameter at/for a given depth at a specific site within a particular lake on a given date. Each phytoplankton entry is composed of an identified taxon and its concentration (CONC) in algal units (cells, filaments, colonies, etc.) per ml which is determined from the examination of composite samples together with the

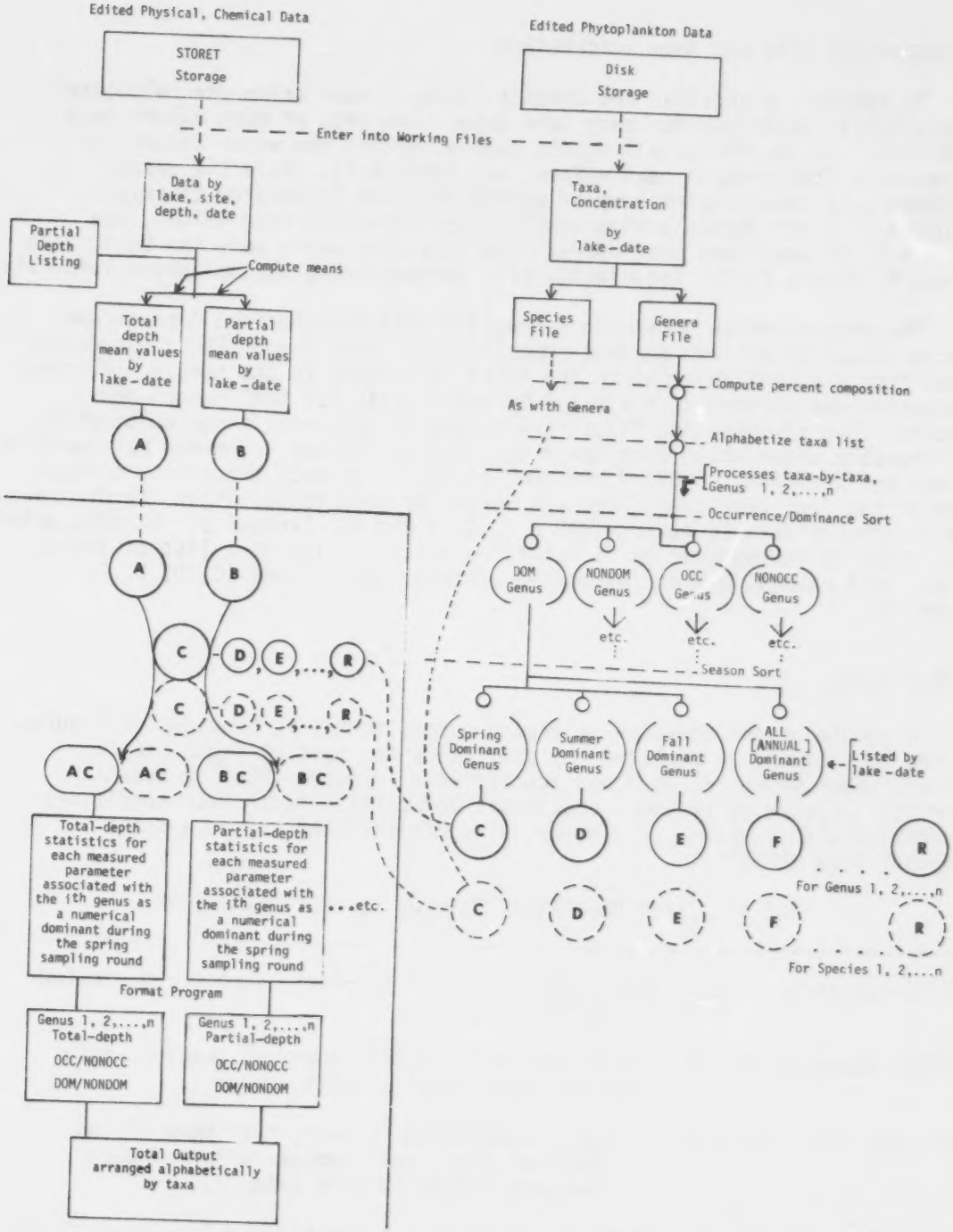

Figure 2. Flow diagram describing the interface of physical/chemical lake data with the phytoplankton data.

corresponding lake and date information.

To reduce the physical and chemical data, a mean value was calculated as previously described for each lake-date. Two sets of mean values were generated. In the first, all depths sampled within the water column are represented (total-depth mean values, see Table B-1), while the second includes only those depths sampled within the zone integrated to obtain chlorophyll a and phytoplankton samples (partial-depth mean values, see Table B-2) as described previously. The lake-date means were the basic data (A and B, Figure 2) for interfacing with corresponding phytoplankton information.

The phytoplankton data were segregated into alphabetized genera- and species-based files; the percent composition of each taxon (PERC) was determined from its CONC relative to the total cell count in the sample. Further processing was performed on a taxon-by-taxon basis for both genera and species. The alphabetized files were sorted to determine those combinations of lake-date under which each taxon occurred or did not occur and was dominant or was not dominant. Table 4 provides criteria for each occurrence category. Each of the four resulting files was sorted by date to partition the dominance and occurrence data by season (ROUND 1, 2, 3 and ALL [annual]). At this point, each taxon is represented by 16 sub-files which consist of a list of lakes, dates, cell counts, and corresponding percent compositions (C, D, E, F, ...R, Figure 2).

OUTPUT FORMAT

A sample of the computer-generated output format is provided in Figures 3A and 3B. Figure 3A contains the statistics for partial-depth mean conditions under which *Anabaena* was identified as present (OCC) or absent (NONOCC). Figure 3B provides statistics for partial-depth mean conditions associated with *Anabaena* as a numerical dominant (DOM) and as a non-dominant form (NONDOM).

TABLE 4. TAXON OCCURRENCE CATEGORIES AND DEFINITIONS

OCC (occurrence)	Taxon was detected in each lake-date sample represented in this category.
NONOCC (non-occurrence)	Taxon was not detected in any of the lake-date samples represented in this category.
DOM (numerical dominance)	Taxon constituted 10 percent or more of the numerical total cell concentration of each lake-date sample in this category.
NONDOM (non-dominance)	Taxon was detected but constituted less than 10 percent of the numerical total cell concentration of each lake-date sample in this category.

GENUS: ANABAENA — PARTIAL-DEPTH VALUES

			CHLA	TURB	SECCHI	PH	DO	TEMP	TOTALP	ORTHOP	NO2NO3	NH3	KJEL	ALK	N/P	CONC	PERC
R		MIN	1.2		7	6.6	4.2	7.2	0.008	0.001	0.024	0.030	0.242	10	0.0	0	0.0
O	O	MAX	247.1		252	10.1	15.5	28.9	1.184	1.032	9.745	0.554	3.199	215	81.0	1363	46.7
U 1	C	MEAN	20.3			7.9	8.1	22.3	0.141	0.075	0.542	0.118	0.885	51	9.7	160	3.3
N	C	STDV	36.49			0.79	1.82	4.87	0.2333	0.1890	1.5481	0.1002	0.7402	52.8	13.04	298.6	8.32
D		N</>	7/ 2														
		O/WR	67/238														
R	N	MIN	0.3														
O	O	MAX	355.6														
U 1	N	MEAN	21.2														
N	O	STDV	43.17														
D	C	N</>	0/ 0														
	C	O/WR	180/247														
R		MIN	1.4														
O	O	MAX	595.0														
U 2	C	MEAN	37.9														
N	C	STDV	64.74														
D		N</>	0/ 0														
		O/WR	147/247														
R	N	MIN	1.5														
O	O	MAX	456.6														
U 2	N	MEAN	29.3														
N	O	STDV	59.21	25													
D	C	N</>	1/ 1	0/													
	C	O/WR	100/245	94/23													
R		MIN	1.2	13													
O	O	MAX	171.5	99													
U 3	C	MEAN	22.6	77													
N	C	STDV	27.79	19.2													
D		N</>	4/ 3	6/ 1													
		O/WR	142/240	125/214													
R	N	MIN	0.8	1													
O	O	MAX	241.4	100													
U 3	N	MEAN	23.9	70													
N	O	STDV	41.58	26.8													
D	C	N</>	0/ 0	0/ 0	0/												
	C	O/WR	105/247	96/221	104/24												
*		MIN	1.2	5	6												
O A	O	MAX	595.0	100	252	10.3	16.0	32.2	3.084	2.009	9.745	3.024	8.199	283	130.0	40425	50.3
U L	C	MEAN	28.5	75	49	7.8	7.4	23.4	0.127	0.058	0.351	0.119	1.138	68	9.8	516	3.7
N L	C	STDV	48.39	20.8	35.6	0.80	1.72	4.43	0.2660	0.1775	0.8168	0.1757	1.0013	61.3	17.16	2632.9	7.61
D		N</>	11/ 0	3/ 3	5/ 0	8/ 2	2/ 2	1/ 0	14/ 1	0/ 0	0/ 0	3/ 0	0/ 0	0/ 3	0/ 4		
		O/WR	356/730	328/639	351/731	354/731	351/728	355/739	355/727	355/741	355/742	355/739	355/742	355/739	355/738		
R	N	MIN	0.3	1	4	4.1	0.7	6.8	0.004	0.001	0.020	0.020	0.199	10	0.0	0	0.0
O A	O	MAX	456.6	121	216	10.6	19.2	31.4	4.549	1.255	8.089	0.979	7.149	334	210.0	0	0.0
U L	N	MEAN	24.1	70	46	7.7	8.1	19.7	0.147	0.062	0.769	0.114	0.956	76	18.0	0	0.0
N L	O	STDV	47.45	24.4	35.8	0.85	2.29	5.79	0.3553	0.1735	1.2189	0.1189	0.9429	71.2	25.10	0.0	0.00
D	C	N</>	0/ 1	0/ 0	0/ 2	0/ 0	0/ 0	0/ 2	0/ 0	0/ 1	2/ 1	0/ 1	0/ 1	0/ 0	0/ 0		
	C	O/WR	385/740	317/645	385/734	387/741	381/732	385/738	387/742	386/740	387/739	387/741	387/741	387/742	387/742		

- Minimum CHLA value at which *Anabaena* was detected in ROUND 1 (spring) samples.
- Maximum CHLA value at which *Anabaena* was detected in ROUND 1 (spring) samples.
- Numerical average of lake-date CHLA values associated with samples in which *Anabaena* was detected.
- Standard deviation of the above mean.
- During the spring there were 7 lakes with CHLA values less than 1.2 µg/1 (minimum CHLA value, above) while 2 lakes had CHLA values greater than 247.1 µg/1 (maximum CHLA value, above).
- *Anabaena* was detected in 67 of the 238 lakes sampled during the spring round which had CHLA levels falling between 1.2 µg/1 and 247.1 µg/1.

Figure 3A. Sample output format: Partial-depth statistics for the occurrence and non-occurrence of the genus *Anabaena*.

GENUS:ANABAENA

PARTIAL-DEPTH VALUES

			CHLA	TURB	SECCHI	PH	DO	TEMP	TOTALP	ORTHOP	NO2NO3	NH3	KJEL	ALK	N/P	CONC	PERC
R		MIN	6.8	68	12	7.0	5.8	16.3	0.017	0.002	0.071	0.078	0.360	10	5.0	267	13.9
O	D	MAX	14.8	89	73	8.5	9.1	27.8	0.112	0.044	3.429	0.369	0.832	199	44.8	953	46.7
U 1	O	MEAN	11.3	82	48	7.8	7.4	24.9	0.065	0.016	0.832	0.181	0.570	51	14.6	512	27.9
N	M	STDV	4.04	9.0	24.8	0.62	1.39	4.86	0.0442	0.0173	1.4550	0.1211	0.1793	82.8	16.53	276.3	16.44
D		N</>	112/ 75	69/ 29	19/ 39	23/ 34	13/125	127/ 6	32/ 68	10/ 45	31/ 15	124/ 8	50/ 73	0/ 15	66/ 28		
		O/WR	5/ 60	5/ 89	5/191	5/192	5/107	5/115	5/157	5/194	5/203	5/117	5/126	5/234	5/155		
R	N	MIN	1.2	26	7	6.6	4.2	7.2	0.008	0.001	0.024	0.030	0.242	10	0.0	0	0.0
O	O	MAX	247.1	100	252	10.1	15.5	28.9	1.184	1.032	9.745	0.554	3.199	215	81.0	1363	9.6
U 1	N	MEAN	21.0	76	49	7.9	8.1	22.1	0.147	0.080	0.519	0.113	0.910	51	9.4	132	1.3
N	D	STDV	37.85	16.6	44.8	0.81	1.85	4.85	0.2414	0.1958	1.5642	0.0977	0.7628	50.7	12.80	283.7	1.91
D	O	N</>	7/ 2	8/ 0	8/ 0	4/ 1	7/ 1	1/ 0	8/ 4	0/ 3	0/ 0	2/ 1	7/ 3	0/ 7	0/ 10		
	M	O/WR	62/238	55/179	62/241	62/244	61/237	62/247	62/237	62/246	62/249	62/246	62/239	62/242	62/239		
R		MIN	1.9	39	15	6.8	3.1	21.5	0.010	0.003	0.035	0.041	0.399	10	0.0	50	10.5
O	D	MAX	147.4	92	102	10.3	16.0	30.2	1.474	0.689	1.181	0.219	3.699	275	21.0	4033	50.3
U 2	O	MEAN	23.2	81	52	7.8	7.5	26.8	0.149	0.057	0.181	0.099	0.896	55	6.4	996	24.2
N	M	STDV	37.89	14.8	28.0	0.86	3.21	2.56	0.3827	0.1598	0.2068	0.0489	0.8467	69.9	5.53	1084.6	11.67
D		N</>	2/ 8	31/ 29	20/ 22	32/ 1	1/ 1	5/ 4	14/ 2	9/ 3	[illegible]	9/ 22	25/ 8	8/ 5	0/ 33		
		O/WR	14/237	14/177	14/199	14/214	14/244	14/237	14/231	14/235		14/216	14/214	14/242	14/214		
R	N	MIN	1.4												0.0	0	0.0
O	O	MAX	595.												130.0	22330	9.7
U 2	N	MEAN	39.												11.5	460	1.8
N	D	STDV	66.8												21.20	2029.6	2.23
D	O	N</>	0/												0/ 1		
	M	O/WR	133/24												33/246		
R		MIN	4.												1.0	25	10.4
O	D	MAX	126.												7.0	40425	38.6
U 3	O	MEAN	19.												0	3213	22.0
N	M	STDV	31.3												[illegible]	10713.2	9.92
D		N</>	47/														
		O/WR	14/19														
R	N	MIN	1.													0	0.0
O	O	MAX	171.													14734	9.8
U 3	N	MEAN	23.													412	1.7
N	O	STDV	27.4													1507.3	2.39
D	O	N</>	4/														
	M	O/WR	128/24														
R		MIN	1.														
O A	D	MAX	147.														10.4
U L	O	MEAN	19.														50.3
N L	M	STDV	31.6														23.8
D		N</>	30/ 1														11.54
		O/WR	33/69														
R	N	MIN	1.2	5	6	5.6	1.9	7.2	0.007	0.001	0.017	0.030	0.199	10	0.0	0	0.0
O A	O	MAX	595.0	100	252	10.2	15.5	32.2	1.609	1.189	9.745	0.569	4.349	283	130.0	22330	9.8
U L	N	MEAN	29.4	74	48	7.8	7.4	23.4	0.121	0.055	0.362	0.110	1.151	69	10.1	378	1.7
N L	D	STDV	49.73	21.4	36.2	0.79	1.66	4.44	0.2108	0.1474	0.8347	0.0843	0.9503	61.3	17.83	1617.1	2.24
D	O	N</>	11/ 0	3/ 3	5/ 0	8/ 4	2/ 3	1/ 0	14/ 4	0/ 4	0/ 0	3/ 6	0/ 2	0/ 3	0/ 4		
	M	O/WR	323/730	295/639	318/731	321/729	318/727	322/739	322/724	322/737	322/742	322/733	322/740	322/739	322/738		

Maximum concentration of *Anabaena*, when it occurred as less than 10 percent of the total cell count in fall samples, was 14,743 filaments (appropriate algal unit for this taxon) per ml.

The numerical average percent composition of *Anabaena*, in samples taken throughout the sampling year, in which it represented 10 percent or more of the total cell count, was 23.8 percent.

Figure 3B. Sample output format: Partial-depth statistics for the dominance and non-dominance of the genus *Anabaena*.

Note that the information on each sample output page is grouped by round (ROUND 1, 2, 3, ROUND ALL). The numbered rounds correspond to the seasonal categories Spring, Summer, and Fall in the flow diagram. ROUND ALL constitutes summary data for the sampling year. The resulting "blocks" are organized by round and category of occurrence for each parameter. Each block of data includes minimum (MIN), maximum (MAX), and mean (MEAN) values where *Anabaena* occurred, as well as the standard deviation (STDV) of the mean.

In order to provide the user with a tool to determine the significance of the range of occurrence values, MIN to MAX, two ratios are included. The ratio O/WR relates the number of occurrences (O) of *Anabaena* to the possible number of lake-dates with parameter values within the range (WR) defined by the occurrence of *Anabaena*. For example, in Figure 3A (ROUND 1, OCC, and CHLA) the ratio is 67/238, which means there were 67 occurrences of *Anabaena* among the 238 lakes in the spring round with CHLA levels between 1.2 and 247.1 µg/l.

The ratio N</> presents the number of lake-dates with parameter values falling below (numerator) and exceeding (denominator) the range of values defined by the occurrence of *Anabaena*. Using the same example, the 7/2 means that during the spring there were 7 lakes with CHLA values less than 1.2 µg/l, while 2 lakes had greater than 247.1 µg/l CHLA. The number of occurrences (O) may vary among parameters because lakes were missing data for specific parameters.

The organization of the sample output provided in Figure 3B is the same as that in Figure 3A, except DOM and NONDOM are substituted for OCC and NONOCC. The specific examples present: (1) the maximum concentration of *Anabaena* when it occurred as less than 10 percent of the total cell count in fall samples; and (2) the numerical average percent composition of *Anabaena* in samples taken throughout the sampling year in which it represented 10 percent or more of the total cell count.

LIMITATIONS

The National Eutrophication Survey successfully collected and analyzed water samples from more than 800 lakes in all of the 48 contiguous States during a 4-year period. The effort resulted in about 2½-million physical and chemical data points and, when completed, about 75,000 phytoplankton occurrence records. Seasonal data (spring, summer, and fall) were collected for most of the lakes. Concessions with respect to "ideal" sampling coverage had to be made commensurate with the broad, survey nature of the program. Constraints with respect to time, funds, and manpower resulted in the following major data limitations:

1. The eastern States lakes, sampled in 1972 and 1973, were biased towards eutrophy since lake selection emphasis, prior to the passage of PL 92-500 by Congress, late in 1972, was placed on lakes faced with actual or potential accelerated eutrophication

resulting from point-source nutrient discharges. In the western States, which were sampled in 1974 and 1975, the selection of criteria were modified to include lakes representative of the full range of water quality from oligotrophic to eutrophic.

2. The frequency of sampling was generally limited to three visits per year for each study lake. Coincidence of lake sampling with such episodic phenomena as algal blooms or fishkills involved some element of chance.

3. The instantaneous sampling provided few clues to the growth phase of the phytoplankton community and did not address the environmental conditions leading up to the status quo.

4. The problems associated with the identification of phytoplankton species from preserved material are well known. When morphological features necessary for the proper identification of an organism are unavailable, 'information' is lost from the data base. Since occurrence by genus or species was the primary criterion for selection of data to be used in determining the environmental range for that form, data from questionable identifications were not included in the data analyses.

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APPENDIX A

LAKES AND RESERVOIRS SAMPLED IN 1973 BY THE NATIONAL EUTROPHICATION SURVEY*

*Adapted from U.S. EPA (1975)

ALABAMA

STORET #	LAKE NAME	COUNTY
0101	Bankhead	Walker
0103	Gantt Reservoir	Covington
0104	Guntersville Reservoir	Marshall, Jackson
0105	Holt Lock and Dam	Tuscaloosa
0106	Lay Lake	Chilton, Coosa
0107	Martin Lake	Elmore, Tallapoosa
0108	Mitchell Lake	Coosa, Chilton
0109	Pickwick Lake	Colbert, Lauderdale (Tishomingo in MS & Hardin in TN)
0112	Weiss Lake	Cherokee
0114	Wilson Lake	Lauderdale, Colbert, Lawrence
0115	Lake Purdy	Jefferson, Shelby

DELAWARE

1002	Killen Pond	Kent
1005	Moores Lake (Pond)	Kent
1007	Noxontown Pond	New Castle
1008	Silver Lake	New Castle
1009	Williams Pond	Sussex
1010	Trussum Pond (Moores Pond)	Sussex

FLORIDA

1201	Alligator Lake	Columbia
1202	Lake Apopka	Orange, Lake
1203	Banana Lake	Polk
1206	Lake Crescent	Putnam, Flagler, Volusia
1207	Doctors Lake	Clay
1208	Lake Dora	Lake
1209	Lake Effie	Polk
1210	Lake George	Volusia
1211	Lake Gibson	Polk
1212	Glenada Lake	Highlands
1214	Lake Griffin	Lake
1215	Lake Haines	Polk
1217	Lake Hancock	Polk
1219	Lake Horseshoe	Seminole
1220	Lake Howell	Seminole, Orange
1221	Lake Istokpoga	Highlands
1223	Lake Jessup	Seminole
1224	Lake Kissimmee	Osceola
1227	Lake Lulu	Polk
1228	Lake Marion	Polk
1229	Lake Minnehaha	Orange
1230	Lake Minneola	Lake
1231	Lake Monroe	Seminole, Volusia

FLORIDA (Continued)

STORET #	LAKE NAME	COUNTY
1232	Lake Okeechobee	Okeechobee, Glades, Palm Beach, Martin, Hendry
1234	Lake Poinsett	Brevard, Osceola, Orange
1236	Lake Reedy	Polk
1238	Lake South	Brevard
1239	Lake Talquin	Gadsden, Leon
1240	Lake Thonotossassa	Hillsborough
1241	Lake Tohopekaliga	Osceola
1242	Trout Lake	Lake
1243	Lake Weohyakapka	Polk
1246	Lake Yale	Lake
1247	Lake Munson	Leon
1248	Lake Seminole	Pinellas
1249	Lake Lawne	Orange
1250	Lake Tarpon	Pinellas
1252	Lake Eloise	Polk
1258	Lake Jessie	Polk
1261	East Lake Tohopekaliga	Osceola

GEORGIA

1301	Allatoona	Cherokee, Bartow, Cobb
1302	Blackshear Lake	Crisp, Sumter, Lee
1303	Chatuge Lake	Towns (Clay in TN)
1304	Clark Hill Reservoir	Columbia, Lincoln, Elbert (Edgefield, McCormick in SC)
1309	Jackson Lake	Butts, Jasper, Newton
1310	Lake Sidney Lanier	Hall, Forsyth, Dawson
1311	Nottley Lake	Union
1312	Lake Seminole (J[illegible]n Woodruff Reservoir)	Decatur, Seminole (Jackson, Gadsen in FL)
1313	Lake Sinclair	Baldwin, Hancock
1314	Lake Eufaula (Walter F. George Reservoir)	Quitman, Clay, Stewart (Henry, Barbour, Russell in AL)
1316	Blue Ridge Lake	Fannin
1317	Bartlett's Ferry Reservoir (Harding Lake)	Harris (Lee in AL)
1318	Lake Burton	Rabun
1319	High Falls Lake	Monroe

ILLINOIS

1703	Lake Bloomington	McLean
1706	Lake Carlyle	Clinton, Fayette, Bond
1708	Lake Charleston	Coles
1711	Coffeen Lake	Montgomery
1712	Crab Orchard Lake	Jackson, Williamson

ILLINOIS (Continued)

STORET #	LAKE NAME	COUNTY
1714	Lake Decatur	Macon
1725	Long Lake	Lake
1726	Lake Lou Yaeger	Montgomery
1727	Lake Marie	Lake
1733	Pistakee Lake	Lake, McHenry
1735	Rend Lake	Franklin, Jefferson
1739	Lake Shelbyville	Shelby, Moultrie
1740	Highland (Silver) Lake	Madison
1742	Lake Springfield	Sangamon
1748	Vermilion Lake	Vermilion
1750	Wonder Lake	McHenry
1751	Lake Story	Knox
1752	Depue Lake	Bureau
1753	Lake Sangchris	Christian
1754	Lake Holiday	LaSalle
1755	Fox Lake	Lake
1756	Grass Lake	Lake
1757	East Loon Lake	Lake
1758	Slocum Lake	Lake
1759	Cedar Lake	Lake
1761	Lake We-Ma-Tuk	Fulton
1762	Raccoon Lake	Marion
1763	Baldwin Lake	Randolph
1764	Lake Vandalia	Fayette
1765	Old Ben Mine Reservoir	Franklin
1766	Horseshoe Lake	Madison

INDIANA

1805	Cataract Lake	Putnam, Owen
1811	Geist Reservoir	Marion, Hamilton
1817	James Lake	Kosciusko
1827	Mississinewa Reservoir	Miami, Wabash, Grant
1828	Monroe Reservoir	Jackson, Monroe, Brown
1829	Morse Reservoir	Hamilton
1836	Wawasee Lake	Kosciusko
1837	Webster Lake	Kosciusko
1839	Whitewater Lake	Union
1840	Winona Lake	Kosciusko
1841	Westler Lake	Lagrange
1842	Witmer Lake	Lagrange
1843	Lake Maxinkuckee	Marshall
1844	Tippecanoe Lake	Kosciusko
1845	Dallas Lake	Lagrange
1846	Olin Lake	Lagrange
1847	Oliver Lake	Lagrange
1848	Sylvan Lake	Noble
1849	Hovey Lake	Posey

INDIANA (Continued)

STORET #	LAKE NAME	COUNTY
1850	Versailles Lake	Ripley
1851	Bass Lake	Starke
1852	Crooked Lake	Steuben
1853	Lake James	Steuben
1854	Long Lake	Steuben
1855	Pigeon Lake	Steuben
1856	Marsh Lake	Steuben
1857	Hamilton Lake	Steuben

KENTUCKY

2101	Lake Cumberland	Pulaski, McCreary, Russell, Wayne, Clinton
2102	Dale Hollow Reservoir	Cumberland, Clinton (Clay, Pickett, Overton in TN)
2103	Herrington Lake	Boyle, Mercer, Garrard
2104	Kentucky Lake	Marshall, Lyon, Trigg, Livingston, Calloway (Henry, Stewart, Benton, Houston, Humphreys, Perry, Decatur in TN)
2105	Barren River Reservoir	Allen, Barren

MARYLAND

2402	Deep Creek Lake	Garrett
2403	Liberty Reservoir	Carroll, Baltimore
2408	Loch Raven Reservoir	Baltimore
2409	Johnson Pond	Wicomico

MISSISSIPPI

2801	Arkabutla Reservoir	Desoto, Tate
2802	Enid Lake	Yalo Busha, Panola
2804	Ross Barnett Reservoir	Hinds, Madison, Rankin
2805	Sardis Lake	Panola, Lafayette
2806	Grenada Lake	Grenada, Yalo Busha

NEW JERSEY

3402	Budd Lake	Morris
3403	Greenwood Lake	Passaic (Orange in NY)
3406	Oradell Reservoir	Bergen
3409	Pinecliff Lake	Passaic
3410	Pompton Lake	Passaic
3412	Duhernal Lake	Middlesex
3413	Farrington Lake	Middlesex
3415	Lake Hopatcong	Morris, Sussex
3417	Lake Musconetcong	Morris, Sussex

NEW JERSEY (Continued)

STORET #	LAKE NAME	COUNTY
3419	Paulinskill Lake	Sussex
3420	Spruce Run Reservoir	Hunterdon
3422	Union Lake	Cumberland
3423	Wanaque Reservoir	Passaic

NORTH CAROLINA

3701	Badin Lake	Montgomery, Stanly
3702	Blewett Falls Lake	Richmond, Anson
3704	Fontana Lake	Swain, Graham
3705	Lake Hickory (Lake Oxford)	Alexander, Caldwell, Catawba
3706	High Rock Lake	Davidson, Rowan
3707	Hiwassee Lake	Cherokee
3708	Lake James	Burke, McDowell
3709	Lake Junaluska	Haywood
3710	Lookout Shoals Lake	Catawba, Alexander, Iredell
3711	Mount Island Lake	Gaston, Mecklenburg
3713	Norman Lake	Catawba, Iredell, Lincoln, Mecklenburg
3715	Rhodhiss Lake	Caldwell, Burke
3716	Lake Santeelah	Graham
3717	Tillery Lake	Stanly, Montgomery
3718	Waterville Lake	Haywood
3719	Lake Waccamaw	Columbus

OHIO

3901	Beach City Reservoir	Stark, Tuscarawas
3902	Buckeye Reservoir	Fairfield, Licking, Perry
3905	Charles Mill Reservoir	Richland, Ashland
3906	Deer Creek Reservoir	Fayette, Pickaway
3907	Delaware Reservoir	Delaware
3908	Dillon Reservoir	Muskingum
3912	Grant Lake	Brown
3914	Hoover Reservoir	Franklin, Delaware
3915	Indian Lake	Logan
3917	Loramie Lake	Shelby, Auglaize
3921	Mosquito Creek Reservoir	Trumbull
3924	Pleasant Hill Lake	Richland, Ashland
3927	Lake Saint Marys (Grand Lake)	Mercer, Auglaize
3928	Atwood Reservoir	Carroll, Tuscarawas
3929	Berlin Reservoir	Stark, Portage, Mahoning
3930	Holiday Lake	Huron
3931	O'Shaugnessy Reservoir	Delaware
3932	Rocky Fork Lake	Highland
3933	Shawnee Lake	Greene
3934	Tappan Lake	Harrison

PENNSYLVANIA

STORET #	LAKE NAME	COUNTY
4201	Blanchard Reservoir	Centre
4204	Conneaut Lake	Crawford
4207	Greenlane Dam	Montgomery
4213	Pymatuning Reservoir	Crawford, Mercer (Ashtabula in OH)
4216	Shenango River Reservoir	Mercer (Trumbull in OH)
4219	Beaver Run Reservoir	Westmoreland
4220	Beltzville Dam	Carbon
4221	Lake Canadohta	Crawford
4222	Harveys Lake	Luzerne
4223	Indian Lake	Somerset
4224	Lake Naomi	Monroe
4225	Lake Ontelaunee	Berks
4226	Pinchot Lake (Conewago Lake)	York
4227	Pocono Lake	Monroe
4228	Stillwater Lake	Monroe
4229	Lake Wallenpaupack	Pike
3641	Allegheny Reservoir	Warren (Cattaraugus in NY)

SOUTH CAROLINA

4503	Fishing Creek Reservoir	Lancaster, Chester
4504	Lake Greenwood	Laurens, Greenwood, Newberry
4505	Lake Hartwell	Anderson, Oconee, Pickens (Franklin, Hart in GA)
4506	Lake Marion	Berkeley, Clarendon, Sumter, Calhoun, Orangeburg
4507	Lake Murray	Lexington, Saluda, Richland, Newberry
4508	Lake Robinson	Darlington, Chesterfield
4510	Lake Wateree	Kershaw, Fairfield, Lancaster
4511	Lake Wylie (Lake Catawba)	York (Gaston, Mecklenburg in NC)
4512	Lake Moultrie	Berkeley
4513	Lake Keowee	Oconee, Pickens
4514	Lake Secession	Abbeville, Anderson
4515	Saluda Lake	Greenville, Pickens
4516	Lake William C. Bowen	Spartanburg

TENNESSEE

4701	Barkley Lake	Stewart, Montgomery (Trigg, Lyon, in KY)
4704	Boone Reservoir	Washington, Sullivan, Carter
4706	Cheatham Reservoir	Cheatham, Davidson
4707	Cherokee Lake	Jefferson, Hamblen, Grainger, Hawkins
4708	Chickamauga Lake	Hamilton, Rhea, Meigs, McMinn
4711	Douglas Lake	Sevier, Jefferson, Cocke

TENNESSEE (Continued)

STORET #	LAKE NAME	COUNTY
4712	Fort Loudon Lake	Loudon, Knox, Blount
4713	Great Falls Lake	White, Van Buren
4717	Nickajack Reservoir	Marion, Hamilton
4720	Old Hickory Lake	Sumner, Davidson, Wilson, Smith, Trousdale
4722	Watts Bar Lake	Rhea, Meigs, Cumberland, Roane, Loudon
4723	Percy Priest Reservoir	Davidson, Rutherford
4724	Tims Ford Reservoir	Moore, Franklin
4725	South Holston Lake	Sullivan (Washington in VA)
4727	Reelfoot Lake	Obion
4728	Woods Reservoir (Elk River Reservoir)	Franklin, Coffee

VIRGINIA

5103	Claytor Lake	Pulaski
5105	John W. Flannagan Dam	Dickenson
5106	John H. Kerr Reservoir (Buggs Island Lake)	Mecklenburg, Halifax (Granville, Vance, Warren in NC)
5108	Occoquan Reservoir	Fauquier
5110	Smith Mountain Lake	Bedford, Franklin
5111	Lake Chesdin	Dinwiddie
5112	Chickahominy Lake	New Kent, Charles City
5113	Rivanna (South Fork) Reservoir	Albemarle

WEST VIRGINIA

5401	Bluestone Reservoir	Summers
5402	Lake Lynn Reservoir (Cheat Lake)	Monongalia
5403	Summersville Reservoir	Nicholas
5404	Tygart Reservoir	Taylor

APPENDIX B

PHYSICAL AND CHEMICAL DATA FOR LAKES SAMPLED IN 1973

Appendix B was computer generated and it was only possible to use upper case letters in the printout.

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TABLE B-1. TOTAL-DEPTH MEAN PARAMETER VALUES LISTED BY LAKE-DATE

STORET	DATE	ROUND	N/P	TOTALP	ORTHOP	NO2NO3	NH3	KJEL	SECCHI	CHLA	TURB	PH	ALK	DO	TEMP
0101	730608	1	17.19	0.06355	.012176	0.47508	.310560	0.71702	29.7500	4.425	63.4464	6.5767	19.763	5.9917	21.8583
0101	730827	2	47.69	0.02310	.007214	0.46015	.298476	0.92375	56.7500	4.975	90.5988	6.6358	23.968	3.6062	26.7385
0101	731030	3	76.00	0.02247	.007567	0.86317	.421167	0.74500	55.5000	2.650	80.8000	6.7217	29.367	3.5875	23.8833
0103	730619	1	7.41	0.04837	.006967	0.19333	.164889	0.44667	20.0000	2.400	76.7667	6.8289	20.344	5.0333	24.7388
0103	730830	2	11.73	0.02525	.008917	0.13944	.156667	0.47778	34.6667	2.900	87.0556	7.5833	21.056	4.2333	29.2194
0103	731103	3	9.15	0.02458	.009361	0.17417	.049722	0.35278	48.0000	1.133	83.9444	7.5306	27.889	8.2889	18.4389
0104	730609	1	9.94	0.05266	.013552	0.43046	.100542	0.38333	30.6250	5.525	69.3458	7.4860	46.740	7.6300	23.6731
0104	730817	2	9.86	0.03654	.010986	0.25083	.101667	0.56806	45.8333	13.017	77.9722	7.5569	53.431	5.8750	28.1329
0104	731022	3	6.58	0.04479	.020979	0.24458	.048125	0.33333	45.0000	7.975	88.4875	8.0079	57.479	7.6542	21.8287
0105	730607	1	20.31	0.04413	.011186	0.64459	.204345	0.42583	26.0000	2.725	77.3577	6.8164	22.452	5.6492	23.1556
0105	730829	2	106.37	0.00784	.004596	0.71383	.119958	0.36458	63.2500	3.025	92.0042	6.5587	20.429	4.1950	28.0446
0105	731031	3	49.28	0.01766	.006100	0.79012	.061125	0.31750	62.5000	0.800	91.3375	6.8250	19.412	5.9000	21.4625
0106	730607	1	5.26	0.08475	.036267	0.28800	.155667	0.43167	19.3333	6.567	61.1333	7.0333	42.950	5.5722	25.3617
0106	730829	2	4.23	0.03867	.015722	0.10619	.053056	0.47341	41.0000	10.733	87.3889	7.2758	54.067	4.2500	29.6214
0106	731031	3	4.55	0.08768	.044267	0.33750	.043333	0.32333	27.3333	3.867	77.6000	7.2300	48.983	5.4444	20.5417
0107	730319	1	10.51	0.02070	.003825	0.16693	.048656	0.23959	40.8571	1.767	72.1381	7.4190	10.250	9.7264	13.6186
0107	730617	1	11.88	0.02077	.005781	0.12293	.099068	0.29131	73.2857	14.043	85.1604	7.6995	12.606	5.7234	23.5473
0107	730825	2	14.55	0.01613	.008185	0.06635	.128803	0.47371	90.5714	5.786	91.0401	6.3782	13.403	3.3657	25.2169
0107	731101	3	7.80	0.02265	.006233	0.03753	.116527	0.28605	54.2857	3.371	92.0340	6.7597	12.287	6.1629	20.6908
0108	730606	1	4.69	0.08332	.031550	0.25267	.138667	0.43333	23.6667	9.900	60.1833	7.0750	37.233	6.3500	25.1983
0108	730829	2	3.83	0.04861	.018889	0.10611	.079167	0.51111	41.0000	8.433	78.8500	7.2861	51.722	5.3389	29.3267
0108	731031	3	5.37	0.05175	.019017	0.25717	.020500	0.30833	37.3333	4.300	83.7167	7.3200	53.800	6.3222	21.1900
0109	730609	1	9.05	0.06122	.029682	0.45240	.101774	0.29119	36.3333	1.450	85.3869	7.5993	54.121	6.9778	24.3067
0109	730815	2	9.92	0.04346	.037104	0.34396	.084167	0.42292	72.0000	3.525	89.2583	7.3812	55.646	5.8854	29.4083
0109	731022	3	8.50	0.05792	.046500	0.43500	.057778	0.22500	46.3333	7.767	97.0278	7.6167	57.861	7.1667	22.7389
0112	730319	1	2.98	0.13200	.034667	0.27333	.120000	0.46667	6.0000	3.600	27.6667	7.4667	27.333	8.4000	14.4667
0112	730608	1	3.56	0.09242	.028033	0.20567	.104167	0.45917	17.6667	8.117	47.3667	6.9792	30.650	5.8111	23.9442
0112	730825	2	2.02	0.08429	.030167	0.10042	.071250	0.64583	28.8333	14.700	76.3750	7.3944	48.000	4.9778	27.4500
0112	731030	3	1.98	0.11370	.050520	0.10420	.100800	0.47200	20.8000	12.440	74.5200	7.4560	57.970	7.6017	16.6430
0114	730609	1	9.17	0.05608	.022683	0.41743	.095841	0.28603	32.0000	3.133	81.2000	7.6105	52.952	7.5000	24.5667
0114	730816	2	11.08	0.02980	.014143	0.24929	.081000	0.27000	75.0000	9.350	87.4286	7.3571	54.314	6.8486	29.1071
0114	731022	3	7.41	0.06254	.038375	0.41042	.050417	0.22917	60.0000	11.450	93.8333	7.5042	65.958	6.3833	22.7458
0115	730319	1	2.64	0.05983	.030159	0.09540	.058571	0.37619	88.0000	4.367	85.6190	8.2508	98.952	8.1833	16.0825
0115	730830	2	8.21	0.06550	.020556	0.12333	.392778	1.33333	39.0000	13.900	90.6111	8.2111	78.833	3.3833	27.5111
0115	731102	3	1.77	0.05311	.010722	0.04222	.045000	0.68333	59.3333	19.867	89.7222	8.1444	89.778	8.7333	17.2111
1002	730410	1	13.03	0.12350	.038000	1.45000	.160000	0.90000	19.0000	10.400	63.0000	8.3500	10.000	9.2000	13.0000
1002	730720	2	7.82	0.21600	.046000	1.50000	.190000	1.20000	26.0000	101.200		8.4000	25.000	8.1000	25.4000
1002	730928	3	0.80	0.30000	.070000	0.16000	.080000	4.40000	17.0000	237.000	19.0000	10.3000	23.000		20.2000
1005	730410	1	13.67	0.20800	.071500	2.75000	.095000	0.75000	22.0000	16.900	60.0000	8.5000	14.500	10.3000	13.9000
1005	730720	2	4.75	0.28600	.051000	1.30000	.060000	1.80000	24.0000	92.500		9.2000	21.000	15.2000	26.3000
1005	730928	3	7.44	0.27000	.143000	1.96000	.050000	1.70000	36.0000	134.400	13.0000		34.000		
1007	730410	1	7.44	0.21750	.022750	1.45000	.190000	0.90000	11.5000	17.450	18.5000	7.8750	19.750	9.5000	12.6000
1007	730720	2	4.66	0.09875	.010500	0.40500	.052500	0.97500	32.0000	56.650		8.0250	39.500	9.9000	27.3000
1007	730929	3	3.31	0.15050	.015500	0.22000	.245000	2.05000	20.0000	39.700	49.7500	7.5000	53.500	5.3000	21.4750
1008	730410	1	18.64	0.24533	.097333	4.20000	.373333	0.96667	18.0000	8.600	55.6667	7.1000	22.333	9.2000	12.1000
1008	730720	2	40.54	0.11100	.032000	4.30000	.200000	0.95000	35.0000	52.800		8.1500	29.000	9.9000	23.7000
1008	730929	3	22.22	0.21100	.101000	4.47000	.220000	1.70000	50.0000	18.700	83.5000	7.7000	38.000	6.5000	19.4000
1009	730410	1	66.54	0.03650	.008750	2.37500	.047500	0.65000	41.0000	10.450	82.5000	8.4000	12.750	10.0500	13.9750
1009	730720	2	1.39	0.09475	.010500	0.07500	.055000	1.10000	39.0000	58.000		8.7000	23.250	9.1500	28.1750
1009	730928	3	43.70	0.04300	.013000	1.82500	.050000	0.80000	72.0000	21.850	84.2500	7.7000	18.500	9.3000	21.8500
1010	730410	1	32.94	0.03900	.012000	1.20000	.085000	0.60000	36.0000	3.800	82.0000	7.9500	10.000	9.2000	13.0500
1010	730720	2	7.27	0.02200	.007000	0.10000	.060000	0.60000		4.400		6.8000	14.000	9.7000	28.7000
1201	730307	1	0.58	0.71700	.542500	0.17500	.172500	1.82500	33.0000	22.500	90.5000	7.7500	34.250	5.2000	20.9500
1201	730831	2	0.67	0.42875	.236750	0.15250	.112500	2.92500	23.0000	155.750	78.7500	9.2750	51.500	9.9500	29.4500
1201	731105	3	0.36	0.82450	.610500	0.11250	.170000	3.42500	22.0000	84.950	87.0000	8.7000	61.750	8.1500	21.0167
1202	730312	1	3.6700	0.10533	0.01483	0.20833	.168333	3.20000	15.167	33.717	63.0000	9.4833	120.000	10.3667	25.7200
1202	730906	2	2.3327	0.16067	0.03183	0.19333	.140000	4.85000	11.600	77.900	35.1667	8.8000	126.833	8.7667	28.9167
1202	731107	3	1.8313	0.08783	0.02058	0.08583	.074167	3.55833	20.000	28.217	45.1667	9.3833	125.583	9.4667	23.1250
1203	730308	1	0.9150	1.06000	0.33900	0.86000	.110000	3.90000	16.000	355.600	35.0000	10.6000	85.000	19.2000	24.3000

(Continued)

TABLE B-1. TOTAL-DEPTH MEAN PARAMETER VALUES LISTED BY LAKE-DATE (Continued)

STORET	DATE	ROUND	N/P	TOTALP	ORTHOP	NO2NO3	NH3	KJEL	SECCHI	CHLA	TURB	PH	ALK	DO	TEMP
1203	730904	2	0.3939	0.66000	0.29300	0.15000	.110000	4.00000	18.000	141.600	31.0000	10.6000	70.000	14.2000	29.9000
1203	731106	3	1.2790	0.17200	0.13700	0.16000	.060000	4.30000	18.000	128.600	37.0000	10.0000	85.000	11.4000	24.9000
1206	730310	1	4.9621	0.05367	0.02933	0.17167	.088333	1.00000	22.000	1.467	93.6667	7.6333	10.500	7.0333	20.6167
1206	730907	2	1.4472	0.07000	0.03183	0.02833	.071667	1.73333	36.333	17.900	81.6667	7.2500	26.500	5.5333	28.4833
1206	731108	3	1.0620	0.09333	0.05033	0.03000	.073333	1.28333	20.000	11.267	83.1667	7.2833	18.000	6.5333	21.2667
1207	730307	1	2.8654	0.07361	0.02328	0.12722	.088889	1.43333	30.333	27.233	85.3333	8.2167	41.333	7.9833	19.8333
1207	730907	2	0.9090	0.08650	0.02700	0.03000	.048333	1.86667	34.333	36.167	76.5000	8.3500	40.167	5.7000	29.5000
1207	731108	3	1.3673	0.08908	0.04458	0.08750	.047500	1.26667	38.667	17.900	79.5000	7.3833	59.917	7.0667	20.9833
1208	730312	1	2.7497	0.10950	0.01367	0.17000	.126667	2.65000	18.333	49.333	67.1667	9.6667	109.333	10.5667	24.4167
1208	730906	2	2.4659	0.09200	0.02467	0.12000	.091667	3.68333	15.333	80.200	50.3333	9.0333	108.167	9.4667	29.1000
1208	731105	3	2.5388	0.09667	0.04533	0.12667	.115000	3.56667	17.667	50.400	55.2222	9.3167	105.500	10.4667	22.9556
1209	730314	1	0.5634	1.26000	0.39900	0.20000	.510000	4.70000	3.000	114.700		9.0000	196.000		
1209	730905	2	0.2562	1.60000	0.95000	0.21000	.200000	5.70000	12.000	595.000	11.0000	7.2000	123.000		28.3000
1209	731107	3	0.1689	1.48000	1.10000	0.18000	.070000	4.00000	18.000	72.600	29.0000	7.6000	134.000	4.0000	25.6000
1210	730310	1	1.4625	0.10693	0.05903	0.05567	.092000	1.06000	34.400	15.180	94.6333	7.7033	53.133	6.7000	21.0767
1210	730901	2	1.6372	0.13570	0.06630	0.09400	.116000	1.83000	35.000	56.620	72.5000	7.5400	53.600	4.9300	27.9100
1210	731108	3	0.9521	0.17717	0.10150	0.08833	.065000	1.83333	17.333	32.000	76.5000	7.4167	49.500	6.9333	21.4500
1211	730308	1	0.8966	0.13367	0.06083	0.06333	.053333	1.03333	27.000	14.267	88.5000	7.5333	16.833	7.2667	23.5667
1211	730904	2	1.0662	0.20450	0.06175	0.11750	.100000	1.75000	27.000	33.600	61.5000	7.9250	28.750	6.7000	28.6000
1211	731106	3	0.6069	0.18250	0.08417	0.04833	.061667	1.13333	35.000	15.800	84.3333	8.3167	18.500	8.5333	24.1667
1212	730313	1	1.5021	0.16300	0.09432	0.07900	.164000	1.04750	52.000	41.350	75.7150	8.4975	19.050	2.8500	21.5875
1212	730905	2	2.5165	0.08300	0.01767	0.09167	.113333	1.31667	41.500	19.400	84.7500	6.4667	14.433	5.6667	28.6208
1212	731107	3	0.8831	0.13908	0.07925	0.04583	.077083	1.28750	44.000	22.250	92.7083	6.9842	14.542	5.4667	23.8708
1214	730314	1	3.3787	0.09867	0.01233	0.16333	.170000	2.66667	21.000	22.800	62.0000	9.3000	100.333	9.1667	25.7333
1214	730906	2	2.0163	0.10000	0.02767	0.10667	.090000	3.80000	18.667	99.233	48.3333	8.9567	90.667	8.7333	29.5000
1214	731105	3	1.9911	0.13417	0.05333	0.14333	.123333	3.26667	16.333	78.533	48.1111	8.8500	100.500	9.0333	22.5889
1215	730308	1	2.7624	0.06033	0.01633	0.08667	.080000	0.83333	30.000	37.300	89.6667	8.6333	11.000	6.8500	21.0667
1215	730906	2	2.6530	0.04900	0.01100	0.06000	.070000	1.15000	48.000	25.300	75.5000	6.9500	16.000	5.3000	28.3000
1215	731107	3	1.1711	0.07400	0.01467	0.03667	.050000	1.20000	34.000	17.100	83.3333	6.9000	14.333	7.1000	23.1333
1217	730314	1	4.3651	0.54650	0.12400	0.06500	.090000	3.00000	21.000	49.000		8.5500	93.000		26.7500
1217	730904	2	1.1880	0.60750	0.13500	0.42500	.250000	6.35000	12.000	166.750	7.1500	10.1600	73.000	10.2000	28.9000
1217	731106	3	0.2133	0.92250	0.49450	0.10500	.090000	4.10000	16.500	77.950	32.0000	9.8500	91.500	10.1000	25.3000
1219	730315	1	5.1612	0.03100	0.00700	0.06500	.095000	0.95000	48.000	15.500	67.5000	7.5500	10.000	3.5000	22.0000
1219	730905	2	3.8235	0.03400	0.02300	0.06000	.070000	1.30000	35.000	12.600	93.0000	7.6000	10.000	8.6000	29.7000
1219	731105	3	1.0493	0.08100	0.05200	0.03000	.055000	0.80000	40.000	8.100	78.5000	7.4500	10.000	7.2000	23.9000
1220	730315	1	0.1106	1.18500	1.03333	0.06167	.070000	1.28333	44.000	42.750	64.3333	10.1333	71.000	11.5500	24.7333
1220	730905	2	0.2046	1.26000	1.19250	0.18500	.072500	1.72500	29.500	77.950	83.5000	8.4250	60.000	8.5000	29.2250
1220	731105	3	0.3802	1.38333	1.25667	0.41250	.117500	1.44167	34.500	41.650	72.8333	8.2833	68.417	8.1300	23.1333
1221	730312	1	3.5714	0.03708	0.01283	0.06333	.053333	0.87500	59.000	4.817	83.3333	7.9417	10.000	7.9167	26.1667
1221	730904	2	4.8165	0.03850	0.01433	0.08500	.095000	1.45000	27.000	11.367	86.1667	7.5667	10.167	7.1333	29.4833
1221	731106	3	2.0875	0.05692	0.01683	0.06167	.055833	1.09167	21.333	3.600	74.9167	6.7667	10.167	7.5333	24.9833
1223	730314	1	0.5886	0.49250	0.26700	0.15500	.135000	2.60000	13.500	76.600		9.5500	80.000	10.3500	26.7000
1223	730905	2	1.0340	0.44600	0.28800	0.25500	.200000	3.40000	12.000	115.650	36.0000	9.2500	64.000	10.6000	28.5500
1223	731105	3	0.2002	0.57600	0.41250	0.05000	.065000	1.70000	13.500	37.400	61.5000	7.9000	76.000	8.2000	23.3500
1224	730314	1	4.6014	0.03225	0.00475	0.06750	.078750	1.16250	36.750	15.925	72.3750	7.5875	19.500	7.4000	24.1375
1224	730905	2	5.9164	0.04125	0.00737	0.11875	.117500	2.00000	35.250	37.525	78.3750	7.8875	19.750	7.7000	28.8500
1224	731107	3	3.0279	0.03750	0.01100	0.05375	.057500	1.50000	37.000	18.975	89.7500	7.1375	17.625	7.7125	23.0667
1227	730308	1	0.6191	1.72000	1.05000	0.63500	.430000	3.00000	24.000	256.700	79.5000	9.0500	114.000	8.7000	22.3000
1227	730906	2	0.3214	1.12000	0.59000	0.19000	.170000	7.15000	9.000	456.600	41.5000	9.5000	72.500	7.2000	26.5500
1227	731106	3	1.1335	1.61000	1.19000	1.71000	.115000	4.00000	18.000	116.400	49.6667	8.9000	73.500	8.9000	24.3000
1228	730313	1	7.1758	0.04625	0.00875	0.16500	.165000	1.55000	27.000	28.500	65.5000	9.0750	37.000	10.0000	26.4750
1228	730906	2	6.942	0.03600	0.01950	0.14000	0.11000	2.55000	35.500	33.950	70.5000	8.5500	33.000	7.4000	28.6000
1228	731107	3	3.678	0.06050	0.03400	0.12000	0.10000	2.15000	31.000	27.450	72.5000	8.8500	34.000	8.9000	24.0000
1229	730314	1	1.965	0.03900	0.00800	0.03667	0.04000	0.56667	100.000	6.800	80.0000	8.7333	42.000	8.2000	24.8000
1229	730905	2	4.545	0.02200	0.01300	0.05000	0.05000	1.20000	55.000	11.900	88.0000	8.0000	39.000	7.8000	30.2000
1229	731105	3	0.802	0.09350	0.07100	0.03500	0.04000	0.55000	40.000	7.500	81.0000	7.5500	42.000	8.8000	23.8500
1230	730315	1	5.177	0.01394	0.00578	0.02500	0.04778	0.44444	132.000	1.200	93.0000	7.6222	10.000	8.2833	25.2000
1230	730906	2	3.944	0.02067	0.01333	0.03167	0.04667	0.95000	73.000	5.967	94.5000	7.1333	10.000	7.7000	29.6500
1230	731107	3	3.085	0.02361	0.01011	0.02833	0.04111	0.54444	76.000	2.833	81.3333	6.5444	10.000	8.0667	22.6556
1231	730314	1	8.938	0.23500	0.15539	0.06389	0.16833	1.64444	29.333	19.550	73.1667	7.7278	41.278	5.9500	25.9500
1231	730905	2	1.933	0.23233	0.19517	0.15167	0.31000	2.10000	26.333	18.767	84.5000	7.3500	41.500	5.2667	28.9333

(Continued)

TABLE B-1. TOTAL-DEPTH MEAN PARAMETER VALUES LISTED BY LAKE-DATE (Continued)

STORET	DATE	ROUND	N/P	TOTALP	ORTHOP	NO2NO3	NH3	KJEL	SECCHI	CHLA	TURB	PH	ALK	DO	TEMP
1231	731105	3	2.062	0.15050	0.09417	0.17111	0.12778	1.85000	20.667	6.133	83.6111	7.2500	37.167	5.3667	22.5444
1232	730309	1	3.206	0.05148	0.00738	0.10517	0.05900	1.52000	29.500	10.267	69.0611	8.6950	136.750	8.6567	25.6267
1232	730902	2	6.395	0.07640	0.02480	0.22700	0.10800	2.36000	26.300	17.440	73.6000	8.4100	135.500	6.7556	28.4000
1232	731106	3	1.934	0.06497	0.01837	0.07517	0.04767	1.55333	27.100	15.446	65.4500	8.4867	115.150	7.7900	25.2500
1234	730315	1	1.908	0.08650	0.05500	0.08750	0.07750	1.60000	33.000	5.400	73.4000	8.1250	37.000	6.1500	25.0000
1234	730905	2	2.774	0.10850	0.08400	0.19000	0.10500	2.30000	20.000	12.200	88.5000	7.2000	51.000	5.8000	29.1000
1234	731105	3	2.332	0.05600	0.04125	0.04750	0.08250	1.35000	40.000	1.900	59.7500	7.8750	31.500	4.7000	23.8000
1236	730313	1	19.108	0.04456	0.00733	0.28556	0.54000	2.11111	29.333	28.967	65.2222	9.2111	55.056	8.8833	24.8278
1236	730905	2	10.836	0.03025	0.01250	0.15750	0.14500	1.62500	28.000	51.750	66.5000	7.5250	52.750	7.0000	28.4750
1236	731107	3	5.803	0.02987	0.01425	0.08875	0.08500	1.55000	36.000	29.433	79.8889	8.0167	45.625	7.7667	23.5444
1238	730315	1	1.009	0.10900	0.02800	0.05000	0.06000	1.90000	36.000	49.600		9.3000	80.000		25.0000
1238	730905	2	4.411	0.03400	0.01600	0.06000	0.09000	1.60000	24.000	12.200		7.9000	88.000	6.0000	
1238	731105	3	1.756	0.07400	0.06100	0.06000	0.07000	1.00000	48.000	7.700	73.0000	8.4000	67.000		24.9000
1239	730620	1	2.785	0.12491	0.03731	0.14925	0.19687	0.68500	23.500	2.275	81.0250	6.7800	12.188	3.5125	26.8812
1239	730831	2	4.954	0.08512	0.03575	0.20312	0.18312	0.81875	36.750	20.650	90.3750	6.5562	13.250	4.9083	28.8750
1239	731105	3	1.850	0.08942	0.03302	0.08562	0.07458	0.31458	53.250	5.525	93.8542	6.9875	17.646	6.5667	20.0625
1240	730309	1	0.126	0.70250	0.61750	0.04250	0.04667	1.13333	36.000	18.550	91.4167	7.9917	65.667	6.3750	21.7500
1240	730904	2	0.233	0.70750	0.54700	0.08250	0.08250	1.77500	31.500	53.200	69.7500	8.6000	86.500	6.5500	28.2250
1240	731106	3	0.120	0.73567	0.43767	0.03583	0.05167	1.47500	34.000	41.350	81.3333	8.2500	77.583	6.8000	22.9333
1241	730313	1	1.206	0.28675	0.17300	0.13500	0.12375	1.77500	15.750	37.825	75.2500	8.9125	24.375	6.7000	25.6750
1241	730906	2	0.789	0.39250	0.30350	0.11000	0.10125	2.20000	32.000	39.500	62.2500	7.7625	28.125	6.1250	29.1875
1241	731107	3	0.819	0.27712	0.18575	0.06375	0.05500	1.53750	33.500	14.575	78.2500	7.1875	18.875	7.2000	22.9500
1242	730312	1	0.799	1.19500	1.04500	0.61500	0.33000	2.45000	30.000	38.300	81.0000	8.2500	23.000	2.1000	24.1000
1242	730906	2	0.126	1.11000	0.97000	0.06000	0.08000	2.80000	22.000	135.800	76.0000	7.9000	34.000	9.2000	29.1000
1242	731105	3	0.689	0.91000	0.78500	0.27500	0.28000	2.30000	32.000	56.800	85.3333	6.9000	33.500	5.7000	22.8667
1243	730313	1	3.222	0.03100	0.00450	0.04000	0.06000	0.55000	46.000	4.467	75.5000	8.2333	10.000	8.1667	26.1333
1243	730905	2	3.087	0.05500	0.01600	0.07667	0.08667	1.10000	39.667	12.800	90.3333	6.2000	10.000	7.0667	27.7333
1243	731107	3	1.520	0.04933	0.01200	0.03167	0.04333	0.78333	38.333	6.033	93.8889	6.5500	10.000	7.8000	23.4444
1246	730314	1	16.683	0.01917	0.00533	0.15500	0.13167	1.23333	96.000	5.650	85.3333	8.5000	104.833	8.9000	24.2833
1246	730906	2	4.424	0.02742	0.01783	0.06167	0.05417	1.37500	40.000	56.200	84.3333	8.6083	107.917	8.2000	29.1917
1246	731105	3	4.543	0.03517	0.02508	0.07667	0.08167	1.22500	41.000	14.250	90.8333	8.8417	117.167	9.2000	22.5333
1247	730620	1	0.731	1.16000	0.85250	0.33000	0.52500	2.95000	14.000	146.750	64.5000	9.2500	39.500	15.4500	28.6500
1247	730830	2	0.359	1.47500	0.61000	0.31000	0.22000	3.70000	15.000	147.400	62.5000	10.3000	46.000	16.0000	30.2000
1247	731105	3	1.297	3.08500	2.01000	0.81000	3.02500	8.20000	11.000	126.800	60.0000	8.4500	107.000	4.7000	19.9000
1248	730309	1	0.819	0.21500	0.02750	0.09500	0.08000	1.80000	42.000	100.050		8.6500	129.000	9.1500	24.6500
1248	730904	2	1.010	0.23500	0.02250	0.13000	0.10750	2.57500	21.000	140.150	44.0000	8.9500	111.250	7.2000	28.0750
1248	731106	3	0.550	0.24525	0.03375	0.06500	0.07000	2.75000	15.500	65.800	34.2500	8.8000	114.500	8.2000	24.3500
1249	730314	1	0.219	1.14000	0.60000	0.13000	0.12000	4.40000	15.000	240.600		9.7000	72.000		26.8000
1249	730905	2	0.527	2.56000	0.04400	1.07000	0.28000	3.70000	1.000	10.900	10.0000	6.8000	32.000	4.6000	29.3000
1249	731107	3	0.481	4.55000	0.11700	1.99000	0.20000	5.10000		3.200	3.0000	7.3000	24.000	6.4000	22.2000
1250	730309	1	1.416	0.04644	0.02922	0.02611	0.03944	0.64444	88.667	10.900	99.5000	7.2111	10.000	8.5222	22.2111
1250	730904	2	4.105	0.02650	0.01600	0.04667	0.05833	0.96667	116.667	5.433	95.3333	5.7000	10.333	6.6000	28.0000
1250	731106	3	1.943	0.03450	0.02211	0.02278	0.04278	0.67778	92.000	4.767	98.5556	6.0889	10.000	7.5000	23.1556
1252	730308	1	0.326	0.53033	0.38158	0.09125	0.08125	1.83333	36.000	53.700	85.0833	9.5542	80.667	8.4000	28.7500
1252	730906	2	0.439	0.39450	0.24500	0.09750	0.07750	2.52500	34.000	102.750	69.0000	9.0750	81.750	8.8000	28.6500
1252	731106	3	0.34	0.51992	0.32625	0.07667	.104167	2.56667	34.000	54.250	74.5000	9.15000	81.583	7.55000	23.5000
1258	730308	1	2.06	0.04200	0.00767	0.04667	.040000	0.86667	60.000	20.800	89.0000	8.73333	41.667	9.50000	22.5333
1258	730904	2	2.78	0.05200	0.02150	0.07500	.070000	1.20000	40.000	32.600	83.5000	8.95000	42.000	5.60000	28.9500
1258	731106	3	1.15	0.06500	0.01500	0.02500	.050000	0.65000	2.000	25.500	92.3333	7.00000	31.000	8.00000	23.7667
1261	730313	1	4.17	0.02150	0.00421	0.03500	.051250	0.66250	80.250	3.800	89.7500	6.88333	10.000	7.80000	24.0792
1261	730906	2	2.68	0.04737	0.02912	0.05125	.053750	1.22500	59.750	6.175	85.8750	6.40000	15.500	6.37500	28.8750
1261	731107	3	1.79	0.04717	0.00900	0.03917	.047500	1.15417	37.500	5.525	83.7917	6.57917	10.000	7.45000	22.7083
1264	730312	1	0.11	1.26000	1.21000	0.06000	.080000	1.70000	24.000	88.200		7.40000	30.000	7.60000	24.2000
1301	730630	1	9.51	0.02544	0.00330	0.12252	.103667	0.40607	65.000	6.750	80.5619	7.06119	16.018	4.73056	25.4884
1301	730917	2	9.38	0.02581	0.00575	0.06642	.114250	0.77417	61.667	8.417	81.0958	6.47667	16.458	4.27083	25.3750
1301	731113	3	5.08	0.03255	0.01007	0.08911	.068778	0.27389	43.833	7.300	89.7828	6.73667	20.767	8.54333	13.6161
1302	730622	1	5.99	0.08256	0.01556	0.32021	.164167	0.53750	19.500	1.925	56.2500	7.07292	16.562	4.57500	27.3646
1302	730907	2	10.14	0.02387	0.01240	0.17354	.059583	0.42083	38.250	2.550	92.2708	7.26875	19.646	5.82500	28.6917
1302	731108	3	7.15	0.03400	0.02044	0.18000	.062222	0.25556	40.000	0.833	94.2556	7.52222	23.667	8.90000	16.6611
1303	730629	1	13.06	0.01502	0.00259	0.09375	.078298	0.30361	171.500	6.633	90.4722	6.81778	10.000	6.92778	21.7491
1303	730915	2	7.27	0.01684	0.00590	0.05266	.056675	0.28873	122.667	5.800	92.9881	6.05468	10.722	4.65222	23.2195

(Continued)

TABLE B-1. TOTAL-DEPTH MEAN PARAMETER VALUES LISTED BY LAKE-DATE (Continued)

STORET	DATE	ROUND	N/P	TOTALP	ORTHOP	NO2NO3	NH3	KJEL	SECCHI	CHLA	TURB	PH	ALK	DO	TEMP
1303	731110	3	5.92	0.01741	0.01277	0.03592	.066167	0.20611	57.500	6.583	82.5472	6.47944	10.000	8.04167	14.8458
1304	730625	1	8.29	0.03068	0.00506	0.14938	.100472	0.36770	61.300	8.155	78.1149	7.27049	19.003	5.46694	22.7153
1304	730910	2	10.64	0.02092	0.00727	0.06909	.133327	0.46579	75.182	7.082	88.1024	6.69870	20.567	5.20552	26.4789
1304	731112	3	4.54	0.03176	0.02346	0.06298	.068972	0.29665	45.818	4.909	75.5357	6.81991	18.485	7.99030	16.2446
1309	730701	1	8.31	0.10309	0.04229	0.31166	.349911	0.73607	35.000	13.800	75.5429	7.95643	20.186	5.73750	25.6677
1309	730908	2	6.62	0.38842	0.12487	0.36008	.560333	1.30042	39.000	21.400	73.2083	7.46125	26.033	4.98333	26.0183
1309	731113	3	3.52	0.31275	0.21038	0.56983	.300333	1.23500	41.200	9.740	90.0350	6.86000	26.467	8.32333	13.1417
1310	730630	1	21.46	0.02300	0.00489	0.21527	.124003	0.38878	104.000	5.967	82.5301	7.18838	11.864	5.76982	20.5661
1310	730911	2	17.18	0.02588	0.00591	0.09083	.266606	0.59814	99.833	6.675	90.2683	6.42184	13.907	3.81034	21.4314
1310	731109	3	7.89	0.03587	0.01947	0.08301	.163214	0.35340	106.917	3.650	88.2650	6.21163	12.333	6.91417	16.7805
1311	730627	1	11.84	0.02367	0.00474	0.16095	.107460	0.26508	128.000	5.933	80.7381	6.40036	13.887	5.22984	19.7062
1311	730912	2	12.99	0.01121	0.00304	0.05881	.085556	0.32381	96.333	10.000	93.5159	5.88095	10.794	3.47778	22.9452
1311	731112	3	6.00	0.02117	0.00824	0.06133	.062476	0.20476	58.667	4.033		6.27810	11.048	7.42222	15.4819
1312	730620	1	8.70	0.05275	0.00962	0.35033	.101000	0.46833	34.000	4.900	75.3833	7.23167	39.867	6.32667	27.9383
1312	730831	2	13.73	0.02642	0.01062	0.28500	.083833	0.49333	46.800	8.660	83.6833	7.67333	56.717	6.50000	28.7833
1312	731103	3	8.71	0.04407	0.01818	0.33200	.054000	0.40833	50.800	6.720	83.3417	7.50500	55.450	8.25333	19.2617
1313	730701	1	10.36	0.03444	0.00478	0.18419	.163028	0.45194	59.000	10.500	76.1972	7.56167	20.792	4.21167	26.6972
1313	730910	2	8.29	0.02728	0.00481	0.07875	.142250	0.59833	69.667	7.333	82.1667	7.04194	26.797	3.96056	28.6492
1313	731113	3	7.49	0.04016	0.02203	0.21217	.066972	0.32667	49.333	6.183	84.9361	6.76139	23.358	7.94167	15.9219
1314	730619	1	5.03	0.06180	0.01254	0.19787	.114250	0.77125	42.750	8.100	74.2625	8.01875	17.800	6.22083	26.0000
1314	730830	2	8.34	0.03262	0.00942	0.16983	.122167	0.68500	43.250	11.775	79.2000	7.62000	20.417	5.89667	28.7592
1314	731103	3	6.70	0.05594	0.01644	0.33854	.056875	0.35208	41.000	7.375	88.1146	7.63333	22.729	7.92500	19.7521
1316	730627	1	11.47	0.01418	0.00341	0.08083	.081264	0.33287	128.000	3.133	90.2454	6.47593	10.000	7.50774	19.2782
1316	730915	2	11.30	0.00978	0.00503	0.03810	.066429	0.26889	105.667	4.633	94.1032	5.68571	11.159	5.44397	22.1548
1316	731112	3	8.89	0.01091	0.00449	0.03311	.061444	0.20000	81.667	1.467		6.22444	10.000	8.05667	15.2833
1317	730611	1	4.65	0.11510	0.03665	0.39057	.134450	0.36100	21.200	5.060	52.7533	6.45433	16.282	7.14910	21.7368
1317	730829	2	9.31	0.10821	0.03869	0.41396	.433125	1.02917	39.500	12.475	67.6778	7.60000	21.792	5.72917	26.8975
1317	731031	3	5.22	0.13790	0.07597	0.58744	.112143	0.32262	39.500	5.375	85.5685	6.86012	17.848	7.32917	17.8699
1318	730628	1	15.47	0.00855	0.00221	0.05619	.074571	0.28190	109.667	3.500	92.8286	6.69333	10.210	7.16111	21.4162
1318	730918	2	11.95	0.00936	0.00573	0.03929	.070595	0.36310	113.333	3.033	96.8929	5.95476	10.250	4.37222	21.3036
1318	731110	3	10.59	0.00660		0.02167	.047333	0.20833	185.333	1.667	85.7167	6.39333	10.083	7.89444	15.3233
1319	730622	1	6.62	0.04992	0.00550	0.11972	.202500	0.80000	40.667	11.067	73.5833	7.80278	28.111	3.83333	25.1861
1319	730908	2	10.64	0.03889	0.00867	0.04556	.326667	1.05556	42.667	20.633	82.2222	7.28889	35.111	3.33333	25.6750
1319	731108	3	1.36	0.05844	0.02100	0.02889	.045556	0.57222	38.333	12.750	93.4222	7.49444	35.722	8.00000	15.4000
1703	730511	1	83.02	0.09204	0.06433	7.55333	.055000	0.43333	19.500	11.000	48.5417	8.26250	162.875	9.05000	16.5250
1703	730809	2	100.57	0.06312	0.01925	5.69250	.330000	1.36250	56.000	10.850	70.3000	7.98750	183.625	4.87500	25.4043
1703	731017	3	64.08	0.04517	0.02033	2.43708	.413333	1.12500	30.500	56.750	26.3333	8.30833	164.750	6.64000	18.4458
1706	730508	1	17.72	0.09132	0.02683	1.46133	.076333	0.58667	21.000	15.533		8.06500	110.783	8.86944	16.2750
1706	730810	2	14.26	0.08353	0.02583	1.09422	.100889	1.05444	26.000	16.700	40.7048	7.81222	128.222	5.40000	27.1063
1706	731018	3	14.085	0.09144	.041889	1.24111	.035556	0.77778	19.3333	19.867	55.6000	8.13333	159.333	8.2667	17.8778
1708	730507	1	73.235	0.11175	.057750	8.09000	.085000	0.42500	9.0000	2.650		8.10000	162.500	9.1000	15.2750
1708	730809	2	26.616	0.16400	.076500	4.27500	.095000	1.15000	9.0000	15.300	17.5000	7.95000	236.500	6.8000	25.8500
1708	731018	3	13.044	0.21275	.095500	2.57000	.202500	1.27500	10.0000	18.050	10.2500	7.97500	291.250	7.9000	16.9000
1711	730507	1	13.268	0.04299	.011600	0.45356	.076111	0.51556	41.3333	7.033		7.82333	74.900	7.8450	18.6122
1711	730810	2	6.539	0.04272	.011067	0.12167	.119556	0.85222	36.0000	10.233	88.5333	7.70333	76.889	4.3233	29.4467
1711	731018	3	3.427	0.04945	.027655	0.05083	.136429	0.62738	54.0000	5.833	88.4643	7.88214	81.238	6.6667	21.9524
1712	730508	1	2.101	0.12153	.012917	0.11806	.102500	0.75000	16.3333	26.100		8.15000	36.056	8.2722	18.1250
1712	730808	2	2.405	0.18333	.043167	0.12444	.158333	2.29444	22.6667	104.800	30.7278	8.26667	59.056	7.8000	29.0500
1712	731019	3	1.601	0.14394	.025500	0.10667	.058333	1.11111	14.3333	46.700	50.7778	7.95000	55.944	7.8667	19.6667
1714	730508	1	60.257	0.12400	.076278	7.24556	.102222	0.51111	16.3333	14.733	43.0000	8.23333	212.333	9.2500	15.3889
1714	730809	2	33.719	0.11283	.028722	3.68000	.081667	1.18889	25.3333	92.867	31.7222	8.03889	239.556	7.3667	27.1833
1714	731018	3	4.717	0.15056	.052167	0.60056	.043333	0.72222	18.0000	21.400	19.4444	8.19444	219.000	9.7000	17.8167
1725	730509	1	5.097	0.23983	.122333	1.03167	.180000	1.01667	19.0000	44.550		8.26667	199.167	8.4500	13.9333
1725	730807	2	0.311	0.75000	.434333	0.09167	.141667	2.21667	21.0000	42.200	76.5000	8.88333	265.500	8.1500	25.3500
1725	731016	3	1.647	0.79233	.451833	0.73333	.570000	2.65000	12.0000	61.250	21.6667	8.52500	220.000	8.0500	17.3500
1726	730512	1	7.442	0.28829	.105667	1.97708	.183125	0.75625	5.5000			7.69167	56.475	7.7750	18.0312
1726	730810	2	8.372	0.19446	.066937	1.48771	.130208	0.92917	9.0000	12.750	16.3125	7.39792	68.208	5.1667	26.4250
1726	731018	3	7.535	0.15079	.066417	1.09375	.059167	0.72083	16.7500	8.575	50.7542	7.61250	76.833	7.5125	17.4583
1727	730509	1	3.762	0.10033	.061583	0.21417	.163333	1.07500	36.0000	14.800		8.05000	197.333	8.2000	13.9167
1727	730807	2	4.535	0.05467	.015250	0.09750	.155833	1.75833	39.0000	33.050	77.4000	8.48333	203.917	6.2000	25.3800
1727	731016	3	1.089	0.28517	.142583	0.15917	.152500	2.10000	22.0000	70.750	70.4250	8.55000	211.000	8.5500	15.7667

(Continued)

TABLE B-1. TOTAL-DEPTH MEAN PARAMETER VALUES LISTED BY LAKE-DATE (Continued)

STORET	DATE	ROUND	N/P	TOTALP	ORTHOP	NO2NO3	NH3	KJEL	SECCHI	CHLA	TURB	PH	ALK	DO	TEMP
1733	730509	1	3.372	0.14450	.043000	0.37750	.095000	1.05000	22.0000	49.050		8.40000	194.000	9.7000	14.5750
1733	730807	2	1.030	0.27125	.093000	0.16000	.120000	2.87500	9.0000	112.050	50.5000	8.70000	280.000	8.0000	24.9750
1733	731016	3	1.333	0.21650	.041500	0.23500	.065000	1.70000	12.0000	66.500	32.0000	8.80000	208.000	9.6000	15.7000
1735	730508	1	2.052	0.08042	.006333	0.06250	.087500	0.70833	28.5000	25.575		7.96667	39.917	8.3000	17.7083
1735	730808	2	5.261	0.06537	.018875	0.16667	.105417	1.42917	33.5000	29.425	47.8333	7.45417	73.000	5.6125	28.2375
1735	731019	3	4.673	0.06771	.017417	0.23917	.050000	1.01667	23.5000	15.600	71.7250	7.60833	74.958	8.4250	18.1833
1739	730508	1	64.126	0.11065	.064817	5.88358	.080222	0.57111	35.6667	20.550		8.23139	164.056	9.3314	15.3275
1739	730809	2	71.424	0.05328	.023319	2.95189	.248139	1.09389	61.3333	18.083	93.9250	7.91917	160.564	4.5211	25.9269
1739	731018	3	36.393	0.06592	.023764	1.85750	.044444	0.66389	19.0000	12.850	49.9028	7.75278	174.722	6.3333	19.6139
1740	730507	1	3.571	0.24989	.066056	0.66917	.217222	1.10833	9.3333	6.267		7.53056	58.694	6.5278	16.7639
1740	730810	2	4.465	0.29056	.065444	0.83667	.394444	1.76667	8.0000	5.433	16.5500	7.21111	64.778	3.5778	25.5275
1740	731017	3	8.287	0.10506	.033889	0.80944	.061111	0.71111	16.0000	5.767	40.1667	7.69444	72.722	7.6333	18.9250
1742	730507	1	39.185	0.17287	.094133	6.42600	.137000	0.51667	7.6000	5.240		8.11333	126.367	8.6200	16.6100
1742	730809	2	31.630	0.10860	.053300	3.15900	.087500	0.90000	22.4000	16.440	35.4500	8.04500	130.250	5.9300	27.7200
1742	731018	3	12.067	0.09940	.043650	1.00017	.036333	0.71667	22.0000	17.360	27.4167	8.49667	142.333	8.6200	18.8450
1748	730511	1	81.122	0.09725	.055333	7.55833	.073333	0.53333	25.0000	8.950	32.6667	8.20000	215.000	8.7500	17.3583
1748	730808	2	32.817	0.16100	.031500	4.29667	.103333	1.60000	16.5000	57.500	59.0000	8.11667	222.500	6.2250	24.5667
1748	731017	3	11.051	0.11733	.054667	1.20333	.093333	0.83333	14.0000	27.000	6.0000	8.06667	222.000	5.9000	18.1500
1750	730509	1	9.129	0.26000	.099250	2.09750	.230000	1.07500	6.0000	22.100		8.10000	247.500	8.5500	14.6500
1750	730807	2	1.486	0.60600	.404250	0.41250	.485000	2.65000	18.0000	75.500	28.2500	8.50000	333.500	7.9000	26.2750
1750	731016	3	1.451	0.42325	.133750	0.56750	.037500	1.82500	18.0000	198.000	45.0000	8.72500	240.500	13.5000	14.8250
1751	730512	1	44.433	0.09667	.025000	3.43000	.370000	0.83333	57.0000	14.800	85.6667	8.18333	199.000	9.1000	16.2833
1751	730809	2	43.083	0.05250	.014833	1.59667	.566667	2.05000	30.0000	6.950	76.2500	8.13333	149.500	3.1833	24.9625
1751	731017	3	17.308	0.12256	.061750	1.29958	.813333	1.79583	35.0000	30.000	40.2500	8.05000	170.500	6.8000	17.7458
1752	730512	1	10.642	0.39433	.260000	3.56000	.636667	1.43333	18.0000	21.400	28.6667	7.83333	240.000	7.9000	16.8000
1752	730807	2	2.368	1.03000	.556000	1.72000	.720000	3.70000	6.0000	112.700	4.0000	8.30000	240.000	7.4000	30.5000
1752	731016	3	4.368	0.49900	.362000	1.20000	.980000	3.00000	6.0000	42.400	1.0000	8.10000	171.000		17.5000
1753	730507	1	39.864	0.11419	.029042	4.30542	.091458	0.52917	6.0000	3.250		8.01875	73.812	8.4250	17.6333
1753	730810	2	48.420	0.04475	.006917	1.89146	.073750	0.83333	33.2500	39.000	81.3125	8.33125	97.750	6.3000	29.3479
1753	731018	3	6.581	0.04642	.008208	0.26125	.037708	0.59167	34.5000	15.625	60.8750	8.07708	91.042	7.8583	20.3708
1754	730509	1	53.416	0.18617	.092500	9.74667	.141667	1.03333	7.0000	5.450		8.03333	170.000	9.0500	14.9667
1754	730807	2	19.394	0.20850	.042417	2.55750	.169167	2.37500	20.0000	81.200	24.5833	8.49167	268.167	8.4000	27.0667
1754	731016	3	0.402	0.18250	.027500	0.03750	.032500	1.17500	17.5000	67.000	70.0000	8.60000	217.500	10.3000	16.7500
1755	730509	1	2.507	0.13850	.044250	0.24750	0.09750	0.97500	19.000	45.250		8.42500	196.000	9.9500	14.3250
1755	730807	2	1.145	0.32200	.119167	0.17167	0.19500	2.91667	9.000	108.850	45.6667	8.66667	238.500	6.7000	25.0667
1755	731016	3							13.500	37.450	26.0000			9.2000	15.6500
1756	730509	1	6.480	0.12800	.086500	0.79000	0.03500	1.10000	27.000	33.850		8.05000	195.000	9.5000	14.1000
1756	730807	2	0.939	0.30625	.100250	0.16500	0.12250	2.47500	18.000	170.500	24.0000	8.92500	280.500	11.7000	26.5000
1756	731016	3	2.677	0.37000	.106750	0.91000	0.07250	1.97500	12.000	46.150	22.5000	8.35000	237.000	9.5000	12.5750
1757	730509	1	2.500	0.04800	.017333	0.06667	0.05333	1.03333	60.000	12.100		8.26667	173.667	9.8500	13.9333
1757	730807	2	5.324	0.15400	.100750	0.12250	0.69750	2.02500	54.000	28.000	75.2857	7.95000	179.250	6.4000	21.3714
1757	731016	3	0.916	0.08733	.026667	0.02667	0.05333	1.43333	36.000	26.800	90.3333	8.60000	166.000	8.6000	16.0000
1758	730509	1	0.399	0.50100	.273500	0.12500	0.07500	2.00000	18.000	109.900		8.70000	212.000	9.2000	14.6000
1758	730807	2	0.368	0.88250	.385500	0.17500	0.15000	6.25000	8.000	312.000	25.5000	9.35000	293.000	13.5000	25.2000
1758	731016	3	0.075	1.33000	.848000	0.04000	0.06000	6.00000	12.000	241.400	8.0000	9.20000	214.000		16.4000
1759	730509	1	6.111	0.02880	.012200	0.09400	0.08200	1.00000	120.000	4.500		8.18000	167.000	8.9000	13.6400
1759	730807	2	7.307	0.02600	.013500	0.09250	0.09750	1.37500	70.000	7.200	87.8333	8.67500	136.500	6.8500	24.4833
1759	731016	3	4.507	0.05325	.025750	0.02000	0.22000	1.32500	109.000	5.600	96.2500	8.40000	139.750	7.2000	15.2000
1761	730511	1	45.697	0.06417	.027167	2.73833	0.18333	0.58333	22.000	4.350	63.5000	7.93333	151.500	7.7000	17.5000
1761	730809	2	37.493	0.04337	.015042	0.97292	0.64167	1.79583	37.000	10.250	68.4750	7.91250	174.458	5.8333	25.6400
1761	731017	3	16.810	0.10162	.063542	1.26417	0.40458	0.99583	42.000	8.300	39.4167	7.68750	141.125	5.8000	18.3375
1762	730511	1	4.267	0.10433	.026833	0.28833	0.15333	0.93333	10.000	10.450		7.63333	63.167	7.7000	18.7833
1762	730808	2	3.157	0.11683	.023333	0.13333	0.19083	1.75833	21.000	36.600	25.5750	7.50000	63.333	5.3333	27.9917
1762	731019	3	2.240	0.14550	.019000	0.12250	0.10000	1.00000	16.000	10.600	37.2500	7.42500	45.250	7.8000	17.3500
1763	730507	1	2.675	0.02958	.003667	0.03917	0.03833	0.62500	36.000	6.900		8.45833	115.250	9.6250	18.9500
1763	730810	2	3.820	0.05317	.012083	0.10000	0.10833	0.97500	44.000	15.200	58.6190	8.22500	110.000	5.6750	31.1024
1763	731017	3	4.133	0.04417	.006583	0.13667	0.04583	0.74167	36.500	11.900	89.6667	8.25000	115.167	7.8000	21.8500
1764	730511	1	7.205	0.14736	.030178	0.92489	0.11022	0.78667	12.333	5.233		7.52667	90.756	7.1833	17.4578
1764	730810	2	3.268	0.13539	.021139	0.11028	0.33139	1.37222	25.333	15.133	50.2222	7.63056	62.833	4.3500	26.0444
1764	731018	3	3.155	0.16172	.027833	0.10222	0.45556	1.46111	28.000	13.467	69.3889	7.77222	68.889	7.0333	18.4500
1765	730511	1	2.303	0.39500	.335500	0.54500	0.36500	1.10000	18.000	10.000		7.55000	66.500	3.8000	18.4500

(Continued)

TABLE B-1. TOTAL-DEPTH MEAN PARAMETER VALUES LISTED BY LAKE-DATE (Continued)

STORET	DATE	ROUND	N/P	TOTALP	ORTHOP	NO2NO3	NH3	KJEL	SECCHI	CHLA	TURB	PH	ALK	DO	TEMP
1765	730808	2	0.214	0.95600	.595000	0.10500	0.10000	1.60000	28.000	59.700	32.5000	7.95000	129.500	5.7000	28.7500
1765	731018	3	8.136	0.93000	.633000	0.06500	0.06000	1.75000	19.000	24.600	56.5000	8.00000	148.000	9.6000	17.7500
1766	730507	1	41.365	0.11400	.053500	4.39000	0.48000	1.65000	19.500	188.550		8.55000	137.000	9.6000	15.9000
1766	730810	2	1.946	0.25575	.025750	0.25250	0.18000	4.30000	10.000	258.700	4.7500	9.35000	49.000	8.6000	28.3000
1766	731017	3	14.287	0.09800	.011750	0.45500	0.97500	3.35000	22.000	99.500	50.0000	8.90000	88.000	10.8000	17.3500
1805	730510	1	50.247	0.06411	.016178	2.54267	0.11933	0.74667	44.000	9.500		7.95333	148.244	8.3417	16.3489
1805	730808	2	19.430	0.08896	.024517	1.16894	0.18550	1.14667	25.333	10.000	67.9611	7.97278	118.800	3.1528	25.1239
1805	731010	3	7.587	0.12047	.013133	0.05067	0.65533	2.00667	30.667	12.733	54.4667	8.09333	149.467	6.9167	22.9267
1811	730510	1	42.458	0.06383	.007500	2.58917	0.07708	0.70417	27.500	44.550	57.5833	8.27500	226.958	9.6250	17.3792
1811	730802	2	12.839	0.10917	.015167	0.67750	0.11583	1.61667	27.000	55.750	70.6667	8.39167	172.983	8.4500	25.9333
1811	731015	3	1.878	0.10133	.011417	0.08042	0.10292	1.06667	28.000	37.550	58.6667	8.34583	168.250	7.2833	20.2000
1817	730503	1	43.760	0.02500	.003000	0.99400	0.10000	0.86000	60.000	5.800	96.2000	8.16000	200.400	8.3500	12.1200
1817	730804	2	16.732	0.03060	.017600	0.26000	0.25200	0.94000		11.700	93.6000	7.86000	188.600	3.8000	10.8400
1817	731013	3	14.467	0.06171	.037429	0.04714	0.84571	1.84286	72.000	17.100	92.2857	7.84286	193.429	7.9000	15.5143
1827	730503	1	19.398	0.12753	.072178	2.27778	0.11622	0.69111	28.333	9.400	71.8222	8.02667	174.578	8.4500	14.3600
1827	730803	2	39.346	0.10007	.014289	2.60844	0.14756	1.09778	24.667	19.800	59.8667	7.97333	166.267	4.8667	24.0556
1827	731015	3	14.825	0.12890	.032411	1.34022	0.27733	1.14667	26.667	18.133	48.3556	7.88444	209.733	5.1667	19.8567
1828	730510	1	16.695	0.01854	.004798	0.22252	0.06374	0.40881	84.800	4.180		7.60714	22.667	7.7827	16.0707
1828	730806	2	14.032	0.03484	.008127	0.11147	0.29367	0.79000	52.667	10.333	83.0100	7.28967	39.350	3.9633	24.4820
1828	731010	3	11.731	0.05633	.014730	0.04230	0.62087	1.26300	50.000	5.867	71.6233	6.96067	44.773	3.5850	21.2930
1829	730510	1	67.491	0.10250	.019333	5.80917	0.06611	0.62778	30.667	39.533	58.1667	8.41389	184.944	10.3000	10.6944
1829	730802	2	58.901	0.08575	.009611	2.38500	0.40028	2.15000	26.333	68.367	65.5278	8.51667	135.222	7.2667	24.6417
1829	731015	3	13.038	0.12397	.008911	1.02289	0.55089	1.88000	23.333	60.600	62.5167	8.07056	163.422	6.7778	19.8189
1836	730503	1	83.561	0.00712	.003625	0.53250	0.04625	0.57500	127.000	3.550	96.2500	8.30000	146.125	9.5333	13.2750
1836	730804	2	20.301	0.01237	.002225	0.10950	0.14125	0.81000		7.400	93.7500	8.26750	123.550	6.2167	22.1800
1836	731015	3	16.524	0.01183	.005233	0.06500	0.12867	0.88667	144.000	4.050	95.9000	8.13667	124.367	7.4533	17.7867
1837	730502	1	30.549	0.02985	.004500	0.81150	0.08550	0.98000	66.000	12.450	91.9000	8.31000	199.600	8.7000	14.6800
1837	730804	2	11.43	.023375	.004375	0.12125	0.13000	1.03750		13.450	91.5000	8.18750	180.875	5.9667	22.4000
1837	731015	3	34.48	.022583	.009333	0.07417	0.69500	2.10833	72.000	8.600	93.8333	7.93333	188.000	6.1000	15.8417
1839	730429	1	52.32	.092250	.010875	4.58750	0.09500	0.91250	27.000	30.950	67.8750	8.38750	225.750	10.4667	13.9875
1839	730802	2	21.22	.079250	.014875	1.09875	0.56375	1.96250	29.500	37.950	70.0000	8.33750	149.125	7.1750	22.4500
1839	731010	3	5.61	.125250	.023000	0.04625	0.77125	1.86250	33.000	30.350	65.8750	8.25000	150.000	6.6500	20.9500
1840	730504	1	37.66	.040583	.013444	1.38458	0.11972	0.77083	54.000	4.800		8.30833	195.611	9.0648	12.2139
1840	730804	2	23.04	.025333	.005472	0.44694	0.09028	0.91944		18.033	88.3333	8.30556	183.917	6.9500	22.4139
1840	731013	3	4.80	.099373	.069714	0.08000	0.46000	1.53889	56.667	10.800	88.6032	8.09524	177.016	5.6167	17.5095
1841	730503	1	27.32	.033933	.006400	0.77667	0.14733	0.94667	80.000	12.633		8.20667	206.400	8.1167	12.3400
1841	730803	2	10.04	.114167	.077083	0.08083	1.02250	2.18333	57.000	11.850	80.4375	7.89167	221.500	6.6125	19.2312
1841	731012	3	8.67	.210139	.183478	0.03400	1.76683	3.56667	76.333	8.033	92.3722	7.69556	219.339	5.5667	15.4056
1842	730503	1	34.61	.028071	.007679	0.97119	0.08607	0.95833	63.000	11.100		8.18690	214.952	8.8717	11.7944
1842	730803	2	6.62	.103283	.074350	0.30217	0.38317	1.77833	56.000	11.200	87.7980	7.87500	215.333	5.0875	16.5045
1842	731012	3	7.85	.127917	.103950	0.02983	0.97667	1.83000	60.000	13.450	97.3833	7.84833	205.300	8.4167	14.4300
1843	730502	1	12.25	.024125	.002375	0.22000	0.07375	0.53750	120.000	5.000	94.7500	8.30000	156.000	9.6333	13.9500
1843	730803	2	12.70	.013950	.003500	0.06450	0.11400	0.43000	87.000	5.750	92.2000	8.30000	143.400	7.9333	22.9400
1843	731013	3	4.53	.025250	.010250	0.04000	0.07250	0.90000	84.000	5.700	92.5000	8.40000	134.250	7.9000	19.8000
1844	730503	1	42.72	.023625	.003000	0.95000	0.05750	0.70000	108.000	5.150	95.6250	8.23750	201.500	9.3333	13.0625
1844	730804	2	15.83	.016125	.004417	0.17167	0.07958	0.85000		9.400	93.5000	8.21667	171.733	7.8333	22.8375
1844	731013	3	9.02	.021000	.012500	0.05600	0.13350	0.96500	109.000	3.600	90.5750	8.07667	170.175	6.1333	18.9375
1845	730504	1	20.28	.047347	.019229	0.88167	0.05292	0.69514	102.000	12.400		8.06319	196.750	7.9643	10.3535
1845	730803	2	10.81	.061643	.038429	0.30452	0.29857	1.12619	65.000	10.750	83.9167	7.85714	194.333	3.6000	14.8583
1845	731012	3	8.63	.096325	.088333	0.05095	0.77444	1.58889	93.000	7.050	94.5714	7.75079	195.643	5.9417	12.1429
1846	730504	1	136.36	.011000	.002000	1.44714	0.05286	0.37143	102.000	6.900		8.28571	193.714	9.5833	9.9286
1846	730806	2	122.20	.011333	.004167	1.26667	0.11833	0.61667	56.000	3.500	94.5000	7.93333	203.167	4.5200	15.4667
1846	731011	3	74.00	.015000	.014286	0.94143	0.16857	0.70000	132.000	4.200	93.2857	7.90000	182.571	4.7571	12.1714
1847	730504	1	141.56	.007286	.002000	0.98714	0.04429	0.30000	132.000	2.700		8.31429	183.143	10.3667	10.4000
1847	730806	2	93.71	.010000	.003714	0.87429	0.06286	0.37143	72.000	5.200	95.5714	7.88571	173.857	4.8667	15.8286
1847	731011	3	46.14	.015875	.013625	0.62875	0.10375	0.51250	120.000	3.400	94.8750	7.73750	168.125	5.4750	12.0000
1848	730510	1	0.76	.165667	.017167	0.06333	0.06333	1.33333	29.000	44.300	68.0000	8.63333	173.833	11.1000	16.3667
1848	730803	2	1.06	.149167	.015167	0.06000	0.08833	2.36667	27.000	89.100	58.9167	8.35000	160.333	6.3750	24.5167
1848	731012	3	1.70	.186750	.077833	0.04083	0.27333	2.61667	34.500	27.850	91.1667	8.40833	152.667	5.5333	18.7750
1849	730511	1	17.97	.059333	.022333	1.00667	0.06000	0.40000	18.000	1.600		7.60000	76.333	7.9000	16.2333
1849	730811	2	0.32	.868000	.037000	0.15000	0.13000	3.60000	6.000	206.700	5.0000	8.00000	141.000	7.4000	30.1000

(Continued)

TABLE B-1. TOTAL-DEPTH MEAN PARAMETER VALUES LISTED BY LAKE-DATE (Continued)

STORET	DATE	ROUND	N/P	TOTALP	ORTHOP	NO2NO3	NH3	KJEL	SECCHI	CHLA	TURB	PH	ALK	DO	TEMP
1849	731019	3	0.31	.702000	.042000	0.13000	0.09000	5.40000	8.000	44.500		8.60000	116.000	11.4800	19.0000
1850	730429	1	6.58	.193722	.063444	1.14444	0.13167	0.93333	9.000	10.967	10.6667	7.93889	128.056	8.0580	13.9778
1850	730802	2	8.42	.117778	.014333	0.81889	0.17222	1.42222	16.667	32.900	45.5556	7.92222	113.889	6.1500	24.5111
1850	731010	3	3.87	.108111	.013111	0.04333	0.37444	1.62222	25.333	31.367	56.1111	7.82222	139.000	6.1833	21.8444
1851	730502	1	6.92	.112556	.012722	0.21222	0.55556	2.45000	16.500	27.000	53.1667	8.13333	104.333	8.6333	16.3333
1851	730803	2	7.18	.036222	.008000	0.14278	0.11778	1.39444	33.333	33.033	81.1667	8.70556	88.889	8.9333	24.1000
1851	731013	3	3.93	.038833	.011500	0.06667	0.08611	1.86667	32.000	28.067	68.1111	8.58889	78.944	8.1333	20.0333
1852	730502	1	6.77	.016944	.002389	0.06278	0.05111	0.72778	76.000	5.067	88.8333	8.33889	132.667	8.9600	13.3611
1852	730804	2	7.57	.026484	.012976	0.05984	0.15992	1.15397	103.667	7.167	88.4091	7.99921	125.937	6.5733	22.0220
1852	731015	3	12.12	.028389	.016889	0.06667	0.31278	1.14444	90.000	4.500	95.3333	7.98889	131.833	7.4667	16.0167
1853	730502	1	12.38	.019797	.008417	0.12702	0.09590	0.64413	185.333	5.567	93.4905	8.24952	183.165	10.0711	11.9600
1853	730804	2	9.44	.038976	.026720	0.10077	0.24821	0.91190	105.333	4.633	91.1768	7.77143	173.339	5.7586	16.8144
1853	731014	3	17.74	.043346	.027354	0.05163	0.36967	1.06206	152.000	4.367	96.1667	7.80619	173.725	5.6278	13.3344
1854	730502	1	20.32	.103600	.041800	1.96000	0.14600	1.50000	40.000	31.800	77.0000	7.80000	203.600	7.5250	12.5600
1854	730806	2	5.34	.379600	.296200	0.94800	1.08200	2.62000	54.000	11.200	89.2857	7.62000	279.600	3.5500	17.0571
1854	731013	3	5.85	.406400	.328400	0.24600	2.13400	3.72000	78.000	5.300	93.6000	7.70000	270.800	2.2000	14.9000
1855	730503	1	87.91	.032733	.005333	2.74000	0.13800	1.30333	60.000	2.550		7.75333	215.167	7.1000	11.0533
1855	730806	2	29.88	.061625	.022125	1.41500	0.36500	2.07500	63.000	21.700	85.4167	7.72500	277.000	2.2167	15.9667
1855	731015	3	7.15	.164033	.102133	0.06567	1.11733	2.80667	49.000	11.450	77.4000	7.65333	258.067	4.1000	13.2533
1856	730503	1	4.08	.083800	.052800	0.14200	0.19800	1.12000	48.000	33.400		8.26000	233.200	8.5000	11.4200
1856	730806	2	2.57	.387800	.324000	0.10600	0.89400	2.02000	50.000	19.400	91.2500	7.96000	303.600	11.6667	16.2375
1856	731015	3	8.78	.305500	.236000	0.08750	2.59500	3.85000	48.000	50.6000	88.5000	7.75000	306.500	4.1667	13.1000
1857	730503	1	23.93	.032286	.017829	0.56529	0.19371	0.80000	114.000	2.5500		8.11286	160.129	7.6583	11.9314
1857	730804	2	6.49	.129986	.088057	0.21829	0.62000	1.55000	53.500	44.7000	86.5000	7.59857	151.229	3.7750	18.2286
1857	731013	3	7.51	.173571	.126686	0.04786	1.31900	2.23571	93.000	5.1000	93.8000	7.69429	162.071	5.4500	15.1129
2101	730529	1	17.68	.024740	.007359	0.29813	0.05354	0.26517	43.714	1.7871	59.6412	7.53523	37.089	8.9086	15.8000
2101	730821	2	20.79	.017413	.007268	0.26734	0.05578	0.26546	62.286	7.0714	62.2156	7.07427	37.965	5.8005	21.2493
2101	731025	3	14.41	.018680	.008109	0.20340	0.04893	0.26566	96.857	2.5857	75.3617	7.14163	39.557	4.1609	19.4868
2102	730519	1	27.83	.011413	.003329	0.26969	0.03578	0.25175	251.500	2.9333	93.5397	7.81627	60.711	8.7639	15.7249
2102	730818	2	20.79	.014436	.007452	0.19686	0.08283	0.40131	125.000	6.4000	94.5609	6.95021	67.498	4.8399	23.1873
2102	731024	3	23.64	.009177	.005415	0.07443	0.11686	0.28325	133.500	1.4500	95.0563	7.41742	67.629	5.2625	19.2525
2103	730526	1	10.03	.102816	.056670	0.79833	0.10406	0.69410	44.500	17.6250	81.4549	8.14097	101.674	6.8952	16.9316
2103	730828	2	4.76	.125508	.070058	0.30267	0.27725	0.88250	63.500	9.2500	73.1670	7.12167	103.475	2.7025	21.4197
2103	731025	3	2.30	.118931	.054278	0.11778	0.12889	0.67083	64.000	17.8500	86.1508	7.47143	109.472	3.1256	18.3805
2104	730516	1	8.05	.073769	.027629	0.47035	0.08803	0.31775	33.235	6.9625		7.69804	50.432	7.9095	19.6254
2104	730814	2	4.65	.068068	.024880	0.20343	0.09800	0.56300	42.000	11.8100	79.9671	7.44767	49.077	6.9987	28.8402
2104	731021	3	5.12	.076802	.035631	0.31807	0.04933	0.39389	42.667	9.8444	80.5611	7.62093	48.646	7.9444	20.4819
2105	730519	1	23.43	.043151	.010090	0.76549	0.07262	0.44646	54.727	7.5455	75.5815	7.95581	83.917	7.1237	18.1978
2105	730813	2	7.81	.060086	.014745	0.23138	0.20504	0.60071	48.636	9.4909	76.8883	8.18939	80.216	4.6876	26.9166
2105	731023	3	6.45	.035975	.006553	0.08043	0.10132	0.39033	38.000	7.4778	72.2370	7.72417	88.558	6.9750	25.6192
2402	730421	1	59.97	.009007	.003407	0.45986	0.04464	0.29571	87.750	5.2500	73.9714	7.92357	10.000	11.1208	8.6364
2402	730728	2	31.93	.011900	.006350	0.24875	0.12537	0.30250	144.000	7.8750	94.5437	6.22375	11.837	6.0837	20.7393
2402	731004	3	18.77	.018917	.006371	0.07608	0.21662	0.57042	121.750	5.3250		6.19500	11.317	6.0142	17.9383
2403	730411	1	72.15	.037042	.010201	2.04514	0.08931	0.49861	32.000	4.3250		6.62153	24.750	10.3760	9.7437
2403	730721	2	112.49	.018620	.006300	1.79446	0.12025	0.58536	150.000	7.7250	88.4093	7.53681	26.625	5.6617	19.9369
2403	731001	3	68.62	.037484	.006236	1.36857	0.22302	0.81230	112.500	6.9250	65.7063	6.88889	32.603	5.5238	17.6455
2408	730411	1	40.86	.050000	.006583	1.64167	0.05500	0.43333	29.333	4.8000	63.1667	6.71667	37.667	10.3556	10.2417
2408	730721	2	74.06	.020056	.005722	1.35083	0.09222	0.49167	78.000	10.9667	89.3889	7.79167	40.028	5.2000	21.3667
2408	731001	3	44.66	.032589	.008644	0.80333	0.39633	0.62778	104.000	5.6333	66.6000	6.98222	46.144	3.1678	16.9260
2409	730410	1	11.06	.085000	.040500	0.82500	0.12000	0.70000	30.000	2.8000		8.45000	10.000	8.6000	13.4000
2409	730720	2	5.28	.115500	.017500	0.55500	0.05500	1.40000	35.000	69.1000		9.45000	13.500	13.7500	26.0000
2409	730928	3	14.88	.098000	.043000	1.56500	0.09000	0.90000	72.000	30.2000	89.0000	7.15000	16.500	8.0000	19.6000
2801	730613	1	2.42	.244117	.025233	0.33067	0.25933	0.73167	9.333	4.3000	45.1167	7.34833	17.950	3.3556	23.4517
2801	730828	2	3.69	.063472	.008472	0.07944	0.15944	1.15000	25.333	4.8667	70.8333	6.69444	26.944	3.4000	28.0389
2801	731101	3	1.89	.204083	.028972	0.26639	0.10944	0.74722	10.000	10.3333	16.7083	7.83333	19.333	9.0000	15.1750
2802	730612	1	4.15	.074950	.013600	0.17167	0.13300	0.47667	29.333	3.4000	80.9167	6.66333	15.217	4.4639	24.6783
2802	730827	2	6.60	.040500	.007778	0.06611	0.20639	0.90000	53.000	6.2667	80.4444	6.53611	19.222	5.2043	27.5139
2802	731101	3	3.53	.074750	.013556	0.13722	0.09167	0.47778	22.667	10.0667	51.1667	7.60833	14.361	8.2444	17.0583
2804	730615	1	4.55	.083346	.018600	0.13133	0.22962	0.83417	29.250	5.9000	81.5167	6.76458	13.796	4.4312	27.4329
2804	730827	2	4.57	.032496	.007246	0.05400	0.09121	1.04958	43.500	13.2000	80.7542	7.13083	18.604	4.9437	28.1783
2804	731102	3	2.09	.040667	.008187	0.04083	0.04292	0.59792	38.500	10.8750	65.2500	7.08542	16.833	8.3250	18.2417

(Continued)

TABLE B-1. TOTAL-DEPTH MEAN PARAMETER VALUES LISTED BY LAKE-DATE (Continued)

STORET	DATE	ROUND	N/P	TOTALP	ORTHOP	NO2NO3	NH3	KJEL	SECCHI	CHLA	TURB	PH	ALK	DO	TEMP
2805	730613	1	4.68	.068858	.011958	0.21875	0.11058	0.40583	18.000	9.4000	76.2750	7.59250	16.292	4.5387	22.5958
2805	730827	2	6.36	.030375	.009250	0.06000	0.13125	0.60625	86.250	4.9250	89.8875	6.44375	71.188	3.1000	25.5987
2805	731101	3	5.56	.028562	.008687	0.03750	0.10437	0.31875	52.500	4.9500	86.8750	7.96250	23.500	7.3500	18.4937
2806	730614	1	5.73	.093289	.012444	0.29722	0.23767	0.53778	12.000	6.8667	63.8000	6.79778	10.456	4.6367	23.2822
2806	730828	2	5.59	.044222	.007722	0.09500	0.14917	0.73056	36.667	3.6333	80.5278	6.56944	22.444	3.5600	26.5306
2806	731102	3	3.24	.046778	.010944	0.09111	0.05778	0.41389	21.000	7.5667	70.0000	7.30556	16.778	8.3222	17.7083
3402	730417	1	4.58	.045500	.006000	0.14500	0.06000	0.50000	36.000	33.4000	89.0000	7.85000	19.000	11.8000	11.9500
3402	730723	2	3.04	.082000	.012000	0.12500	0.12500	1.65000	24.000	57.5000	35.0000	7.90000	29.500	7.6000	25.1500
3402	731001	3	1.13	.106000	.014000	0.05500	0.06500	1.70000	18.000	54.6000		8.60000	21.500	10.8000	18.8000
3403	730416	1	6.23	.018187	.006875	0.06208	0.05083	0.42500	72.000	14.0000	61.8889	7.79375	16.729	12.1633	9.1687
3403	730723	2	5.51	.033917	.017183	0.06017	0.12017	0.58333	92.000	14.2000	89.3254	6.80500	20.117	5.4400	23.1198
3403	731001	3	2.14	.040083	.011050	0.02050	0.07050	0.65833	88.667	6.8667	94.6000	6.67000	13.867	7.7333	19.1700
3406	730416	1	24.94	.045500	.008000	1.05000	0.06667	0.48333	36.000	27.6500	43.0000	7.73333	65.833	11.3250	10.6667
3406	730722	2	15.89	.059833	.011000	0.77333	0.16833	1.05000	41.000	12.3500	80.6667	7.98333	78.667	5.4500	24.8500
3406	731001	3	9.73	.066333	.008250	0.55167	0.08417	1.23333	35.500	26.8000		7.85000	83.667	8.9000	19.9167
3409	730416	1	3.904	.046500	.0162500	0.12000	.062500	0.62500	36.000	12.3000	31.5000	7.65000	22.000	11.8500	13.0750
3409	730723	2	2.786	.100500	.0155000	0.14000	.140000	0.90000	36.000	38.1000	79.5000	7.80000	26.500	6.2000	25.0500
3409	731002	3	1.141	.126000	.0107500	0.04750	.060000	1.47500	33.000	66.0500		8.27500	44.000	8.0000	18.7750
3410	730417	1	10.415	.054417	.0310000	0.49083	.070833	0.36667	52.500	8.7500	97.5000	7.27500	36.167	10.5250	12.6750
3410	730722	2	7.292	.121250	.0360000	0.64500	.236667	0.75000	22.000	9.3500	67.5000	7.11667	50.000	5.8500	21.5417
3410	731002	3	10.947	.084000	.0108333	0.81833	.073333	0.50000	36.000	51.0000		8.78333	74.167	12.7000	18.4667
3412	730416	1	31.685	.044500	.0060000	1.10000	.310000	0.60000	40.000	1.5000	91.0000	5.25000	10.000	11.0000	13.5000
3412	730722	2	8.268	.179000	.0265000	0.97500	.505000	1.20000	24.000	8.6000	56.5000	5.45000	10.000	6.5000	22.9000
3412	731002	3	18.658	.082000	.0100000	1.22000	.310000	0.60000	36.000	10.3000		5.60000	10.000	7.8000	20.5000
3413	730416	1	24.401	.039833	.0096667	0.83500	.083333	0.43333	36.000	1.9000	86.3333	6.60000	10.000	10.0250	12.0333
3413	730722	2	8.607	.092167	.0146667	0.50500	.288333	1.31667	35.000	9.5500	69.2667	6.21667	12.500	4.0833	23.1800
3413	731002	3	13.151	.054833	.0116667	0.56000	.160000	1.06667	43.000	13.4000		6.36667	15.667	6.3500	20.2000
3415	730417	1	7.594	.017183	.0060667	0.08883	.036333	0.36833	69.600	22.8000	75.3167	7.78000	16.183	11.8683	10.2150
3415	730723	2	6.279	.032917	.0125567	0.05063	.141167	0.60367	90.800	10.0400	94.1702	6.81300	25.087	5.0810	22.3295
3415	731003	3	3.814	.041627	.0171733	0.02250	.151967	0.68533	90.600	8.0400		6.73267	30.597	6.4883	18.2523
3417	730417	1	7.407	.027000	.0120000	0.15000	.050000	0.60000	60.000	9.4000		7.90000	28.000	10.8000	13.5000
3417	730723	2	1.728	.081000	.0220000	0.05500	.085000	1.00000	72.000	20.1000	91.0000	8.05000	33.500	9.8000	26.9500
3417	731001	3	3.214	.028000	.0060000	0.03000	.060000	0.80000	60.000	3.7000		6.90000	13.000	9.0000	19.3000
3419	730417	1	9.059	.117750	.0775000	0.94750	.090000	0.30000	38.000	3.9500	56.0000	7.85000	94.750	10.1500	13.4000
3419	730722	2	6.338	.127500	.0707500	0.68500	.132500	0.87500	27.000	4.4000	79.5000	7.37500	92.000	7.0000	21.6750
3419	731002	3	2.982	.202750	.0812500	0.50750	.067500	0.99000	53.500	12.7000		8.32500	116.250	10.8000	17.2250
3420	730418	1	26.893	.018100	.0058167	0.45950	.026333	0.23000	60.000	19.3000	81.3833	8.06167	26.100	11.8150	10.4433
3420	730722	2	22.206	.020375	.0068750	0.23625	.215000	0.90000	83.000	17.0000	88.9659	7.11250	35.250	4.0000	19.1733
3420	731002	3	16.222	.026300	.0092000	0.04000	.376000	1.07000	71.000	9.7000		6.93000	37.200	5.7000	17.9800
3422	730416	1	47.987	.029500	.0165000	1.28333	.130000	0.40000	38.500	2.7500	96.8333	6.78333	10.000	10.0500	11.6500
3422	730720	2	16.313	.067833	.0190000	0.91647	.188333	0.88333	33.500	39.2000		6.96667	10.000	5.8000	25.5167
3422	730928	3	13.554	.070333	.0243333	0.87333	.080000	0.96667	40.000	26.5000		7.83333	11.667	9.0000	20.3667
3423	730417	1	9.567	.013778	.0048111	0.09572	.035333	0.34222	93.333	8.9667	99.7167	7.44278	12.611	11.9083	8.9039
3423	730722	2	11.318	.012857	.0073619	0.09810	.045048	0.69048	184.000	8.2000	92.3524	6.67810	13.238	5.8500	19.3829
3423	731001	3	9.418	.015928	.0051111	0.05833	.085222	0.62389	156.667	4.1667	87.0000	6.52722	15.806	4.7033	17.1156
3701	730324	1	6.672	.113221	.0238607	0.54687	.189333	0.42185	10.000	4.5000	51.6869	7.37655	12.504	9.0668	12.1364
3701	730711	2	14.053	.038603	.0091000	0.38200	.156944	0.45806	38.500	6.1000	53.1167	7.04306	24.100	2.4019	23.6536
3701	730919	3	17.492	.023667	.0096056	0.20567	.165556	0.63056	51.250	10.4250	86.0111	6.53778	23.589	3.5937	23.1461
3702	730323	1	7.148	.098867	.0394000	0.54167	.164500	0.66500	10.000	2.4667	73.8667	7.23000	17.517	10.0333	11.9150
3702	730705	2	9.012	.065722	.0136111	0.46528	.124167	0.48611	15.333	4.0000	42.1111	7.26111	21.750	5.2722	26.2750
3702	730919	3	8.719	.068389	.0512500	0.28750	.063056	0.25556	44.000	6.0333	81.5833	6.84444	28.806	6.0222	26.1944
3704	730602	1	25.922	.034748	.0073787	0.31314	.198979	0.34991	56.667	2.9000	68.3636	6.93888	10.728	8.2381	15.7976
3704	730821	2	55.165	.014445	.0064766	0.32271	.245224	0.57050	114.000	4.6143	89.4080	6.22374	12.317	5.1646	22.7339
3704	731026	3	57.827	.017869	.0087691	0.49389	.244232	0.52437	144.143	2.8000	86.2696	6.38482	10.304	5.0387	20.1658
3705	730330	1	5.612	.063392	.0132583	0.25396	.096792	0.22167	21.000	3.2750	63.4833	7.57000	10.000	9.1946	11.7942
3705	730707	2	10.673	.036271	.0059583	0.12967	.217250	0.53333	45.000	6.3000	82.4208	7.16250	12.871	5.4771	24.8675
3705	730924	3	9.659	.040821	.0083042	0.06233	.324125	0.72292	51.000	12.2500	89.9458	6.77875	17.775	5.5562	23.0896
3706	730324	1	4.800	.129939	.0229018	0.46600	.153018	0.38518	10.000	3.8000	40.9911	7.26804	10.438	9.3479	11.0429
3706	730712	2	7.212	.072898	.0143333	0.28604	.210000	0.71042	28.667	15.7000	39.1250	7.25208	21.229	5.4417	27.3333
3706	730919	3	3.975	.068958	.0142167	0.19683	.078833	0.67333	30.500	23.3500	59.3417	6.73000	22.225	6.4750	24.2650
3707	730602	1	10.800	.029723	.0080877	0.18869	.081603	0.23508	48.000	5.4500	74.5119	7.19250	10.117	8.4706	16.4833

(Continued)

TABLE B-1. TOTAL-DEPTH MEAN PARAMETER VALUES LISTED BY LAKE-DATE (Continued)

STORET	DATE	ROUND	N/P	TOTALP	ORTHOP	NO2NO3	NH3	KJEL	SECCHI	CHLA	TURB	PH	ALK	DO	TEMP
3707	730823	2	15.616	.017243	.0066789	0.15379	.076997	0.32785	71.833	7.4000	85.6351	6.89225	10.526	6.4822	22.7092
3707	731026	3	12.290	.015568	.0080542	0.08143	.088458	0.28500	118.500	4.1833	91.3986	6.73417	10.671	6.9251	18.7046
3708	730327	1	6.244	.040820	.0136400	0.18973	.046133	0.27267	43.200	6.1800	79.0667	7.68733	14.893	10.0160	10.4107
3708	730706	2	12.018	.018855	.0061705	0.14694	.067038	0.38457	75.200	9.8400	89.5524	7.54133	13.884	6.5889	21.6738
3708	730924	3	8.441	.021483	.0084114	0.06097	0.12027	0.40429	95.000	6.960	82.3724	6.65000	14.503	3.7800	21.7629
3709	730324	1	18.044	.044750	.0077500	0.67500	0.13250	0.27500	24.000	8.500	79.5000	7.47500	11.500	9.8000	9.2000
3709	730705	2	21.326	.024500	.0092500	0.34000	0.18250	0.35000	42.000	2.000	88.7500	6.97500	16.250	5.2333	21.8000
3709	730920	3	10.673	.034667	.0133333	0.12000	0.25000	0.90000	49.000	19.200	88.3333	6.40000	20.333	1.5333	20.4667
3710	730330	1	6.161	.064600	.0132333	0.26667	0.13133	0.37000	18.000	1.600	52.9000	7.54000	10.000	8.8500	12.1767
3710	730707	2	15.220	.024300	.0065667	0.18700	0.17233	0.29333	50.000	2.800	83.3000	6.60333	16.833	4.7125	23.7800
3710	730924	3	11.550	.025000	.0075000	0.13000	0.15625	0.65000	54.500	8.200	91.3750	6.72500	17.875	5.0000	23.7750
3711	730402	1	8.660	.042972	.0071778	0.26667	0.07456	0.25500	21.667	5.100	65.3000	7.06389	11.278	9.7361	12.8611
3711	730711	2	16.345	.017061	.0031500	0.17161	0.10511	0.29000	43.667	4.700	67.3444	6.60944	17.439	5.9861	26.3261
3711	730919	3	5.864	.013156	.0076222	0.03400	0.04267	0.37778	43.333	7.167	76.9111	6.60667	14.622	5.9111	26.7622
3713	730329	1	9.565	.044070	.0083070	0.28938	0.08248	0.27029	21.000	6.840		7.10057	10.073	9.2940	12.3185
3713	730711	2	22.434	.017410	.0031667	0.24007	0.10083	0.50100	76.800	3.600	84.6243	6.88633	20.013	4.0828	23.9112
3713	730919	3	19.083	.011270	.0061267	0.10020	0.07907	0.48200	62.200	6.980	85.7600	6.42733	15.980	4.1967	25.0797
3715	730330	1	4.296	.078350	.0249667	0.24350	0.08567	0.26333	29.333	3.300	64.0833	7.64667	10.000	9.6417	10.9383
3715	730706	2	5.665	.057917	.0134167	0.18333	0.13750	0.47500	32.000	2.300	63.7500	7.32500	17.917	7.0889	22.6500
3715	730924	3	3.809	.056611	.0233333	0.08944	0.11611	0.50833	52.333	5.133	79.0833	7.01111	14.611	5.8089	22.8750
3716	730603	1	12.397	.016894	.0043464	0.11252	0.08532	0.26190	168.000	4.920	92.1619	6.67595	10.136	8.1614	16.6081
3716	730822	2	23.723	.010196	.0055540	0.12318	0.09733	0.36797	117.600	5.900	98.4616	6.43384	10.452	4.7776	20.5021
3716	731026	3	10.479	.012229	.0112810	0.04849	0.08014	0.23733	115.200	5.260	85.7000	6.68133	10.000	5.9167	18.1865
3717	730322	1	7.685	.088043	.0240700	0.49747	0.17870	0.41667	17.200	2.980	29.7250	7.28933	17.287	10.6367	13.0280
3717	730707	2	11.119	.040730	.0069967	0.36340	0.08843	0.48000	31.200	6.920	72.4367	7.02600	35.563	4.4000	26.5963
3717	730921	3	16.354	.017667	.0075933	0.21773	0.06647	0.53967	45.800	10.580	85.8667	6.61167	17.207	4.9973	26.0013
3718	730324	1	6.330	.125417	.0421250	0.63542	0.15708	0.41250	27.000	8.300	73.7917	7.50000	12.375	10.0200	10.2667
3718	730705	2	10.182	.101821	.0513214	0.68964	0.25357	0.58571	32.000	9.250	72.0179	7.43750	34.446	4.5167	23.4161
3718	730920	3	15.346	.106850	.0447750	0.49900	1.00075	2.29750	36.000	1.900	60.4600	6.76750	62.375	1.7500	20.2875
3719	730322	1	3.832	.041250	.0037500	0.05500	0.06750	0.45000	40.000	5.250	79.5000	6.97500	10.000	9.0000	14.0500
3719	730705	2	8.006	.016250	.0040000	0.05250	0.07750	0.62500	42.000	2.450	89.2500	7.17500	11.250	6.7000	29.8000
3719	730920	3	5.039	.016000	.0110000	0.02750	0.05250	0.87500	51.000	3.050	86.7500	6.92500	11.500	6.5500	26.0000
3901	730420	1	32.471	.089000	.0130000	2.75000	0.14000	0.60000	12.000	4.300	15.0000	8.20000	38.000	7.5000	15.8000
3901	730730	2	7.081	.281000	.0330000	1.61000	0.38000	1.30000	8.000	19.400	9.0000	7.40000	102.000	3.4000	24.2000
3901	731006	3	10.151	.132000	.0135000	0.96000	0.38000	1.45000	13.000	8.900		7.10000	75.000	5.0000	17.6000
3902	730426	1	1.577	.173000	.0263333	0.22333	0.06000	2.55000	6.667	247.067	26.3333	9.05000	83.333	9.8333	15.1500
3902	730730	2	4.273	.166556	.0151111	0.53722	0.19111	2.27778	12.000	141.167	22.7222	8.60000	75.889	7.2111	25.5556
3902	731008	3	1.720	.274833	.0335000	0.20500	0.27333	3.45000	11.333	171.467		8.81667	79.167	6.6667	20.6167
3905	730420	1	14.469	.056083	.0070833	0.73833	0.06333	0.92500	24.000	63.500	32.5000	8.52500	131.917	10.8111	13.4750
3905	730727	2	3.438	.230533	.0155333	0.31600	0.52333	2.05333	13.000	72.300	16.2500	8.01667	133.667	5.0000	23.6792
3905	731006	3	0.819	.138833	.0135000	0.04000	0.06667	1.61667	15.333	65.633		8.16667	140.667	6.1333	19.1667
3906	730428	1	28.750	.177433	.0447222	3.86667	0.09356	0.80222	12.667	13.433	13.1556	8.13778	187.078	9.5083	12.6644
3906	730801	2	55.529	.052875	.0098750	2.77000	0.09875	0.58750	42.000	8.950	59.5476	8.37500	191.125	6.7750	25.9119
3906	731010	3	13.098	.083417	.0223333	0.92667	0.10750	0.99167	39.000	6.967	75.9167	8.29167	200.833	7.5333	21.0167
3907	730426	1	20.653	.110750	.0375000	2.06667	0.05583	0.86667	16.000	13.767	32.6250	8.12500	170.000	9.9222	14.6000
3907	730801	2	30.441	.110417	.0430833	2.99583	0.14583	1.14167	13.667	8.700	42.1667	7.99167	154.500	5.4000	24.7417
3907	731010	3	10.121	.101056	.0216667	0.92500	0.10111	1.24444	18.000	10.100	33.4444	8.12778	150.000	6.5444	19.6333
3908	730426	1	11.378	.150778	.0340556	1.46111	0.23194	1.08056	17.333	16.467	48.6944	8.05833	133.111	8.7056	14.4694
3908	730730	2	7.362	.205500	.0515000	1.22417	0.23500	1.56667	18.000	37.300	29.3000	7.85833	113.917	5.0000	24.7700
3908	731008	3	8.419	.230750	.0515833	1.25333	0.59417	2.90833	20.667	31.733		7.90000	142.167	5.4000	20.6750
3912	730801	2	6.351	.184250	.0305000	0.62000	0.37750	1.35000	16.000	45.950	14.0000	7.47500	62.250	4.2500	25.5250
3912	731009	3	1.556	.202167	.0235000	0.09667	0.21167	1.58333	12.000	73.650	17.1667	8.00000	54.000	6.0000	20.8167
3914	730426	1	36.888	.051049	.0067631	1.63452	0.06240	0.63048	30.750	17.625		8.00595	94.964	10.1079	12.3392
3914	730801	2	36.363	.046729	.0083292	1.49292	0.13271	0.93250	32.750	8.550	65.8417	7.79292	91.192	3.7229	23.1233
3914	731010	3	19.41	.058250	.015062	0.82896	.163958	1.01250	48.250	12.475	69.235	7.6854	101.896	5.5792	19.2268
3915	730504	1	15.53	.055667	.005167	0.79333	.075000	0.98333	15.333	53.833	41.000	8.6500	154.333	10.9000	12.1333
3915	730802	2	3.03	.127667	.014833	0.24500	.136667	2.61667	17.000	105.333	13.667	8.7167	127.667	8.4667	23.8000
3915	731011	3	1.31	.140111	.037778	0.07111	.111111	2.10000	12.000	71.400	27.333	8.4556	115.889	5.0889	19.2889
3917	730504	1	11.27	.185000	.016500	2.02250	.055000	1.75000	5.000	149.950	7.500	8.6000	154.500	9.1000	12.3000
3917	730801	2	6.72	.204500	.016000	1.20000	.175000	2.25000	6.000	103.450	12.500	8.3500	130.000	7.2000	24.4500
3917	731011	3	0.71	.168000	.028500	0.05000	.070000	1.60000	7.000	58.900	11.250	8.4500	138.000	7.5000	19.7750

(Continued)

TABLE B-1. TOTAL-DEPTH MEAN PARAMETER VALUES LISTED BY LAKE-DATE (Continued)

STORET	DATE	ROUND	N/P	TOTALP	ORTHOP	NO2NO3	NH3	KJEL	SECCHI	CHLA	TURB	PH	ALK	DO	TEMP
3921	730421	1	4.59	.033167	.005833	0.08000	.070000	0.86667	37.500	29.000	76.833	7.9000	36.667	9.1750	12.6167
3921	730730	2	1.91	.078167	.007500	0.07500	.070000	1.21667	28.000	51.150	62.833	7.6667	50.667	6.9500	24.1500
3921	731009	3	2.44	.108167	.007667	0.04250	.221667	1.46667	38.500	28.650	73.000	7.4333	44.917	5.7833	17.5250
3924	730420	1	33.97	.025500	.006567	0.01967	.030333	0.31667	45.000	37.000	68.033	8.5867	104.767	12.3125	11.5733
3924	730730	2	6.07	.054083	.012000	0.17167	.139167	0.81667	41.000	17.300	88.500	8.0500	132.917	5.5917	24.1000
3924	731006	3	7.10	.046917	.011083	0.14500	.186667	0.68333	43.500	14.250		7.9417	147.500	6.2000	19.6917
3927	730504	1	1.84	.213500	.013125	0.10875	.105000	2.61250	4.500	100.925	6.063	7.9375	104.750	8.9500	12.2500
3927	730801	2	1.96	.127500	.013250	0.14500	.107500	2.10000	17.500	82.100	49.500	8.8500	92.250	7.5500	23.8000
3927	731011	3	1.07	.193750	.032250	0.05250	.082500	1.37500	25.500	54.425	53.125	9.0500	84.250	9.4000	20.1875
3928	730420	1	46.63	.025000	.004750	0.89000	.052083	0.37500	41.500	8.575	49.722	8.3687	39.875	10.6250	12.5187
3928	730730	2	5.42	.048458	.006625	0.08146	.146667	0.71458	31.500	24.575	64.438	8.3646	50.063	8.0958	25.5708
3928	731008	3	3.58	.053208	.006042	0.08917	.067500	0.77500	41.000	16.175	81.625	7.9583	56.083	7.2583	19.1292
3929	730424	1	21.97	.067476	.020083	0.89131	.088810	0.76905	36.000	16.264	88.095	7.8840	62.821	9.2990	13.9702
3929	730730	2	10.44	.059083	.007854	0.32271	.188958	0.89375	32.500	11.500	65.125	7.8979	87.479	5.2292	24.3729
3929	731008	3	5.66	.066867	.007650	0.25717	.098667	1.03833	32.200	16.540	75.267	7.8183	92.217	6.6667	19.0317
3931	730426	1	15.61	.218276	.166971	3.14286	.125905	1.01048	15.333	6.133	31.267	7.8324	183.181	8.0167	13.2990
3931	730802	2	17.84	.233400	.161689	3.62011	.273333	1.47222	17.333	3.367	21.911	7.6411	190.967	3.5533	21.8712
3931	731010	3	4.84	.517933	.337044	1.44289	.443778	1.64889	29.333	7.067	46.544	7.5978	181.044	3.0844	18.3256
3932	730428	1	8.75	.125722	.017917	0.80917	.097778	0.76667	20.000	54.067	43.278	8.3611	148.639	9.9733	12.1389
3932	730801	2	7.85	.086633	.008683	0.14583	.427667	1.16833	29.333	42.367	42.430	8.0283	157.117	3.5028	24.0215
3932	731009	3	7.12	.092333	.012200	0.05117	.668500	1.69000	31.667	17.633	61.917	8.2133	156.567	6.4000	21.2467
3933	730428	1	33.98	.144750	.012000	3.90000	.057500	1.03750	16.000	50.650	18.875	8.1500	173.875	12.0833	12.3625
3933	730801	2	33.13	.076125	.008000	1.93750	.503750	1.47500	29.000	27.450	44.167	8.2250	164.125	5.6500	23.8833
3933	731009	3	7.17	.071250	.014500	0.15625	.361250	1.63750	30.000	40.600	61.375	8.2125	144.125	4.4500	21.0750
3934	730421	1	16.36	.021806	.006194	0.28722	.067778	0.60278	36.667	25.533	60.889	8.5972	83.694	11.0500	12.6694
3934	730730	2	3.32	.074083	.010056	0.06639	.149444	1.07778	29.333	53.200	64.861	8.3056	79.167	6.7000	24.4833
3934	731006	3	3.99	.075833	.013333	0.03056	.258333	1.21667	35.667	34.400	77.500	7.6778	69.556	6.2222	19.5167
4201	730413	1	20.12	.068694	.064528	1.33333	.047500	0.24167	30.667	2.900		7.6694	84.667	11.4556	8.4500
4201	730724	2	15.46	.062500	.022000	0.78250	.122500	0.80833	61.000	10.333	82.976	8.5167	102.250	8.9167	24.7155
4201	731002	3	14.35	.178167	.093583	1.29500	.193333	1.01667	57.000	40.900	78.083	7.6333	142.500	7.2167	17.5000
4204	730421	1	12.69	.019500	.006375	0.20875	.036250	0.47500	105.000	4.050	93.500	7.9875	59.500	11.2833	10.3625
4204	730727	2	4.15	.031233	.012033	0.03767	.100000	0.55667	102.000	7.450	84.833	7.7267	74.300	4.2250	21.9033
4204	731005	3	5.15	.073433	.027700	0.02900	.337667	1.09333	87.000	11.200	92.200	7.2650	70.600	6.6667	16.7500
4207	730417	1	23.33	.076841	.017198	1.67302	.065714	0.67222	38.000	44.167	48.341	8.3246	31.552	11.7889	10.7956
4207	730724	2	13.35	.075111	.023500	0.80778	.166389	0.84722	26.667	11.633	80.389	8.1222	44.167	3.7244	22.1917
4207	731003	3	9.07	.072194	.022833	0.26250	.363889	1.26389	54.667	16.233		7.3056	64.861	4.5422	20.7056
4213	730421	1	9.62	.048271	.007792	0.24479	.075000	1.00000	49.500	28.025	80.646	8.3167	34.396	10.4792	14.0521
4213	730731	2	2.18	.091958	.008583	0.09458	.095833	1.31667	20.250	70.575	71.646	8.2750	41.042	8.0750	24.4417
4213	731006	3	0.95	.149375	.012458	0.04583	.083750	2.23750	27.000	70.400		8.4375	37.250	9.5250	16.4417
4216	730420	1	14.35	.038778	.007556	0.44722	.041944	0.48333	36.000	12.167	83.306	9.7028	36.222	12.6833	13.0100
4216	730731	2	3.79	.065389	.009167	0.05694	.175833	0.98333	32.000	45.033	75.750	7.0056	61.778	5.2278	24.8500
4216	731008	3	3.82	.079611	.008222	0.17500	.088889	1.06111	41.333	23.200	86.333	7.6167	61.944	7.4444	18.1444
4219	730423	1	141.13	.007475	.005675	0.98950	.067500	0.25750	132.000	2.350	88.800	6.9700	13.525	10.8333	11.9800
4219	730728	2	75.96	.010732	.006179	0.64589	.142679	0.30714	105.000	9.850	94.727	6.7732	19.214	6.2875	21.3442
4219	731005	3	51.16	.012633	.009600	0.50267	.119667	0.35000	108.500	3.350		6.9467	21.600	6.3000	19.7367
4220	730417	1	91.57	.010048	.004394	0.88466	.033471	0.24550	128.000	4.533	77.774	7.4553	10.444	11.4889	9.3373
4220	730724	2	56.38	.012300	.0044889	0.56878	.111611	0.29278	116.000	6.7667	90.656	6.6744	10.0000	6.2722	20.4922
4220	731004	3	55.62	.011817	.0061032	0.52992	.112698	0.38968	168.667	3.2667	98.413	6.2706	12.8810	5.5667	17.8071
4221	730727	2	4.19	.027000	.0053333	0.06000	.053333	0.53333	72.000	23.3000	86.000	7.8000	44.3333	4.4500	21.5667
4221	731005	3	2.50	.026000	.0085000	0.02500	.040000	0.80000	72.000	12.4000	94.000	7.4500	38.0000	8.6000	17.5000
4222	730412	1	10.31	.016232	.0058036	0.12339	.043929	0.36786	120.000	5.4500		8.5759	17.5982	11.9952	6.7774
4222	730723	2	16.04	.011417	.0061667	0.09333	.087500	0.31667	222.000	7.3500	88.000	6.9500	24.4167	7.8800	17.9583
4222	731002	3	10.05	.023464	.0082381	0.13750	.098452	0.28810	144.000	5.1000	81.631	6.4631	20.8214	4.0702	12.5298
4223	730423	1	121.94	.005100	.0043444	0.50811	.087778	0.22500	102.000	0.8333	88.911	6.8750	11.3556	10.4417	10.9150
4223	730725	2	39.91	.010122	.0050944	0.30833	.092500	0.51778	116.000	7.4333	88.689	6.2600	10.0000	6.9167	20.5306
4223	731004	3	32.32	.013783	.0059667	0.13967	.267167	0.73333	81.333	7.3667	94.400	6.3033	12.6500	5.4183	15.4000
4224	730417	1	12.27	.011000	.0060000	0.10000	.035000	0.25000	60.000	1.8000	80.000	7.5500	10.0000	10.6000	10.9000
4224	730723	2	9.50	.020000	.0050000	0.09000	.100000	0.50000	50.000	10.5000	82.000	5.5000	10.0000	7.0000	22.7000
4224	731003	3	4.70	.017000	.0040000	0.03000	.050000	0.40000	60.000	4.3000	87.000	6.0000	10.0000	8.2000	17.1000
4225	730413	1	112.01	.027667	.0151667	2.98333	.050000	0.31667	14.000	2.8500		7.6667	38.8333	11.0000	9.1000
4225	730724	2	51.34	.044333	.0114583	2.02500	.251667	0.75000	34.000	11.2500	78.667	8.4167	69.5833	6.3500	24.0000

(Continued)

TABLE B-1. TOTAL-DEPTH MEAN PARAMETER VALUES LISTED BY LAKE-DATE (Continued)

STORET	DATE	ROUND	N/P	TOTALP	ORTHOP	NO2NO3	NH3	KJEL	SECCHI	CHLA	TURB	PH	ALK	DO	TEMP
4225	731003	3	38.97	.048167	.0113333	1.67667	.100000	0.75000	40.000	21.2500		8.5667	78.0000	8.8000	19.6833
4226	730413	1	10.88	.023667	.0080000	0.19000	.046667	0.40000	24.000	12.0000		7.7583	28.2500	10.8500	10.3917
4226	730724	2	7.52	.032250	.0076667	0.07083	.165000	0.88333	57.000	14.1000	86.625	7.5667	50.1667	5.9500	25.3125
4226	731002	3	6.66	.052000	.0141667	0.05167	.295000	1.26667	60.00	15.7500	79.750	6.7833	51.6667	4.9333	19.4750
4227	730417	1	5.97	.014833	.0082500	0.05333	.035833	0.35833	81.000	2.9500	85.000	7.1333	10.0000	11.2500	9.6917
4227	730723	2	6.74	.028167	.0071667	0.09583	.094167	0.41667	57.000	6.9000	81.667	5.6750	10.0000	6.4000	21.2333
4227	731003	3	5.00	.040000	.0065000	0.09000	.110000	1.00000	30.000	5.2000	73.000	5.8500	10.0000	8.1000	15.4500
4228	730417	1	12.00	.015000	.0070000	0.14000	.040000	0.50000	60.000	42.2000		7.8000	10.0000	10.7000	10.0000
4228	730723	2	11.25	.016000	.0040000	0.07000	.110000	0.50000	60.000	5.8000	84.000	5.2000	10.0000	7.1000	22.9000
4228	731003	3	5.33	.015000	.0040000	0.03000	.050000	0.60000	33.000	6.7000	86.000	6.1000	10.0000	8.8000	17.1000
4229	730412	1	20.22	.013325	.0067500	0.23517	.030833	0.26833	58.500	7.1750		8.7425	12.5000	11.6275	7.1517
4229	730723	2	12.12	.018350	.0077500	0.09475	.125000	0.40250	171.000	8.8500	86.450	6.4125	18.8125	4.8771	20.3775
4229	731003	3	7.77	.046754	.0203792	0.02608	.275708	0.91125	86.750	12.8250	92.583	6.5717	20.2500	6.8417	16.9008
4503	730402	1	3.35	.169067	.0291111	0.32044	.230889	0.58667	2.000	2.4333		7.2022	10.5556	7.8500	15.3250
4503	730707	2	4.47	.129022	.0600444	0.37822	.183333	0.48667	20.000	3.0667	61.511	6.9000	19.3333	6.0917	27.9111
4503	730922	3	2.90	.114667	.0646667	0.21917	.114167	0.60000	29.000	2.9333	73.750	6.7500	23.0833	5.9000	26.9167
4504	730328	1	5.57	.090896	.0187500	0.40062	.082708	0.32500	19.750	5.7250	50.667	7.7062	12.1875	8.4708	15.0042
4504	730709	2	9.09	.045500	.0091125	0.15787	.218875	0.65975	57.000	10.4750	79.587	7.3850	24.2125	4.1875	26.7826
4504	730918	3	7.23	.106046	.0194500	0.15925	.341583	0.91250	31.500	8.2500	48.646	6.7258	18.3083	4.0750	24.9837
4505	730627	1	15.94	.015357	.0031766	0.11943	.099675	0.29667	125.083	8.0750	88.695	6.8096	14.0257	5.4899	24.2710
4505	730915	2	10.79	.016833	.0049080	0.05119	.087718	0.37383	80.583	5.2333	63.293	6.1014	12.5047	4.5318	25.6716
4505	731113	3	10.13	.017301	.0040655	0.05393	.095917	0.39629	69.000	3.6250	83.674	6.4994	13.8173	7.4858	16.7897
4506	730327	1	3.95	.072847	.0116528	0.24347	.047083	0.41944	22.000	8.2667	63.111	7.5944	10.6528	9.2528	15.0583
4506	730710	2	6.63	.050750	.0103750	0.17833	.137917	0.75000	36.667	9.8500	82.083	7.0250	23.6667	6.3083	29.4000
4506	730922	3	4.04	.062875	.0136944	0.13639	.071528	0.58611	29.500	8.0667	66.806	6.6347	14.5000	5.5389	26.6722
4507	730327	1	8.22	.042098	.0108357	0.26969	.041619	0.32143	49.857	5.7286	84.190	7.5340	13.5857	9.2516	12.7864
4507	730709	2	15.42	.026203	.0073872	0.19271	.109751	0.46834	85.714	7.1143	84.922	6.8954	19.3194	3.6545	23.9354
4507	730922	3	8.68	.028481	.0132888	0.04585	.172595	0.50888	89.714	6.5000	90.519	6.5689	22.7857	3.7380	24.5709
4508	730322	1	59.91	.012950	.0040167	0.68383	.081333	0.38667	48.000	6.6000	87.183	6.1667	10.0000	8.5250	15.8567
4508	730706	2	15.02	.017278	.0081944	0.11111	.147222	0.45278	36.000	2.6667	84.722	5.4389	10.0000	4.8889	30.5917
4508	730921	3	10.81	.013778	.0122222	0.06722	.080556	0.69444	39.667	16.5667	86.000	6.0000	10.0000	6.2333	28.4722
4510	730330	1	4.85	.115946	.0402321	0.39277	.165089	0.45536	14.250	3.7500		7.2170	16.4911	8.9750	14.1652
4510	730706	2	4.23	.088333	.0273750	0.20937	.164375	0.43125	28.500	9.0750	73.604	7.3062	21.2708	4.9692	28.0417
4510	730921	3	5.65	.062675	.0322250	0.16742	.141583	0.82250	30.250	12.4000	81.067	7.0642	19.8417	5.7000	26.5362
4511	730347	1	7.272	.059267	.017333	0.32867	.098750	0.28333	15.750	5.267		7.4167	13.142	9.4512	13.4075
4511	730712	2	10.828	.033725	.005550	0.16712	.185750	0.44125	46.333	5.225	65.4181	6.74750	20.875	4.6208	27.7867
4511	730920	3	6.075	.030875	.011479	0.07875	.107083	0.59792	46.000	4.650	87.0208	6.41667	12.813	4.8917	26.4479
4512	730326	1	5.290	.049964	.008190	0.22917	.034167	0.36190	24.571	10.143	74.4762	7.44048	14.012	9.5667	15.4095
4512	730709	2	8.064	.024975	.005325	0.09800	.102167	0.71750	52.667	7.583	93.3167	7.25083	25.167	6.3194	29.7967
4512	730921	3	3.930	.018153	.005208	0.03125	.040556	0.46528	60.000	8.450	95.6944	6.97639	16.931	7.1000	27.7639
4513	730625	1	23.191	.009112	.002440	0.14833	.052470	0.22207	110.000	5.050	89.2356	6.65427	16.101	6.5435	18.9297
4513	730917	2	24.386	.007265	.004580	0.11368	.056875	0.28274	115.750	2.375	94.0551	6.11637	11.143	4.4577	20.9643
4513	731113	3	11.896	.012672	.003208	0.07110	.039937	0.22667	159.000	1.075	86.6473	6.13690	12.219	4.9994	13.7408
4514	730626	1	9.043	.050944	.005833	0.17367	.270778	0.71556	68.000	21.233	69.8222	7.38778	16.456	4.5567	24.2944
4514	730918	2	4.067	.084800	.021933	0.21689	.126222	0.76000	20.000	1.867	34.4444	6.74000	10.889	3.2833	24.2533
4514	731114	3	15.328	.066533	.009567	0.17917	.398667	0.91833	43.667	9.067	90.3167	6.68833	22.500	8.6111	13.3889
4515	730623	1	4.724	.060542	.005542	0.18292	.097500	0.20000	18.500	2.050	23.0000	7.22917	13.417	7.6667	22.2000
4515	730918	2	4.551	.073000	.007000	0.14500	.085000	0.46250	27.000	1.350	60.5000	6.38750	12.500	6.5750	21.2375
4515	731114	3	3.778	.048500	.006875	0.10750	.075000	0.23750	24.000	1.150	74.8333	6.56250	15.000	10.2500	8.8208
4516	730329	1	8.148	.052100	.005111	0.30989	.070889	0.27889	17.667	3.833	47.3778	7.74556	15.444	9.1250	13.1467
4516	730711	2	14.883	.022222	.012228	0.15589	.175611	0.46611	44.667	2.167	74.0444	6.87833	14.744	4.8056	25.6239
4516	730920	3	19.630	.013300	.008056	0.02956	.208778	0.53778	58.000	5.733	85.4000	6.83111	15.178	5.3333	22.7778
4701	730517	1	3.324	.141453	.041248	0.40558	.048650	0.32133	25.111	17.540	62.3700	7.95833	85.112	9.6733	18.9015
4701	730814	2	3.383	.132383	.053633	0.32783	.125917	0.42583	30.167	11.267	74.4833	7.38250	64.325	6.2069	26.1350
4701	731020	3	3.925	.135427	.070900	0.43710	.083467	0.27967	26.400	5.500	52.8267	7.31800	57.483	5.8307	22.5250
4704	730403	1	19.622	.068911	.045027	1.01690	.277743	0.43854	37.250	13.650		7.97035	78.399	8.8900	12.6365
4704	730712	2	24.382	.048875	.020750	0.58571	.180298	0.48631	60.250	11.100	91.2918	7.85357	83.696	5.8277	21.2040
4704	731027	3	15.832	.067758	.042450	0.55179	.099292	0.40250	72.000	9.175	79.6250	7.76417	85.650	4.9742	17.4354
4706	730521	1	4.759	.095625	.032625	0.34375	.060000	0.40000	21.000	6.550	61.7500	7.50000	54.375	9.7000	17.6250
4706	730816	2	2.335	.194250	.102500	0.30750	.146250	0.37500	28.000	8.100	81.7500	7.36250	60.375	6.0333	24.8875
4706	731023	3	3.588	.147000	.085250	0.36750	.160000	0.42500	33.000	11.500	57.0000	7.35000	59.500	5.8000	29.6250

(Continued)

TABLE B-1. TOTAL-DEPTH MEAN PARAMETER VALUES LISTED BY LAKE-DATE (Continued)

STORET	DATE	ROUND	N/P	TOTALP	ORTHOP	NO2NO3	NH3	KJEL	SECCHI	CHLA	TURB	PH	ALK	DO	TEMP
4707	730524	1	19,186	.054388	.022465	0.73976	.164034	0.58769	49.714	12.786	90.5633	8.17129	95.923	6.5560	18.2045
4707	730823	2	8.018	.089379	.051824	0.37860	.414333	0.90095	55.571	13.600	79.9677	7.90095	89.069	4.1824	24.5374
4707	731027	3	12.686	.067490	.029498	0.65857	.098690	0.58548	48.714	10.100	85.3667	7.86548	85.493	5.8414	20.7224
4708	730524	1	14.393	.031069	.011319	0.36497	.080722	0.35361	34.667	3.583	82.1583	7.44806	55.275	7.5583	19.1089
4708	730823	2	16.453	.027100	.010272	0.33644	.085944	0.27333	36.667	3.783	86.0611	7.41639	54.008	5.8139	25.5175
4708	731029	3	9.718	.038692	.013133	0.31658	.056667	0.23333	37.167	1.967	88.5333	7.45000	53.400	6.8194	19.2775
4711	730525	1	17.175	.033250	.017082	0.43918	.076361	0.32274	63.000	3.850	91.0500	7.68258	46.233	7.4644	18.7815
4711	730823	2	12.935	.044069	.011828	0.27311	.232889	0.51528	60.000	6.050	67.3746	7.28222	45.608	3.3653	25.1611
4711	731027	3	9.594	.043493	.015937	0.28550	.092767	0.40300	46.800	3.600	75.9067	7.31967	45.493	5.7347	19.8043
4712	730525	1	14.477	.059218	.028084	0.72834	.078163	0.37099	32.286	6.386	74.8031	7.86218	79.271	8.5052	17.3912
4712	730824	2	10.971	.049974	.018667	0.38479	.150929	0.53381	29.429	3.929	80.2143	7.68952	65.164	4.4595	24.0379
4712	731028	3	6.974	.074929	.037262	0.39131	.077024	0.45000	41.571	4.014	73.1667	7.60000	64.405	6.3905	19.9988
4713	730531	1	15.906	.029112	.008012	0.35687	.078500	0.39125	21.250	0.550	47.7833	7.05500	36.162	8.9125	17.1287
4713	730817	2	24.764	.016971	.006179	0.27096	.143625	0.52917	71.000	6.900	86.9536	7.53292	79.900	5.0375	22.9913
4713	731024	3	10.924	.028958	.009271	0.14271	.155000	0.38958	74.500	4.500	88.8333	7.68542	109.604	6.2167	17.8687
4717	730523	1	9.306	.085483	.047046	0.43287	.244625	0.51583	27.750	2.850	83.7375	7.23917	58.571	7.5692	19.3900
4717	730818	2	9.848	.066287	.038371	0.41171	.090292	0.48792	40.000	4.200	82.9250	6.62417	53.629	5.4875	26.7229
4717	731030	3	8.394	.055312	.028462	0.36737	.089750	0.26625	52.750	1.175	93.7000	7.40000	58.438	6.7833	16.7000
4720	730522	1	6.774	.056180	.019490	0.33670	.031600	0.22400	22.000	5.920	60.8300	7.81400	52.120	10.0500	16.4720
4720	730816	2	4.881	.067087	.022447	0.24040	.084533	0.50467	34.400	12.380	79.9733	7.52533	53.167	7.8100	23.9040
4720	731022	3	4.176	.072400	.022933	0.23267	.052667	0.28000	37.000	8.200	83.8000	7.60667	47.667	7.6667	20.0733
4722	730525	1	18.118	.030113	.013526	0.46908	.068027	0.32548	37.875	5.525	79.4741	7.63682	62.345	8.2442	17.8822
4722	730824	2	18.903	.028048	.011456	0.41271	.075937	0.37042	39.125	7.462	78.6646	7.82729	70.500	6.4342	23.4419
4722	731027	3	9.783	.042260	.016094	0.36021	.048229	0.25833	36.250	3.662	87.4271	7.48437	59.635	6.5375	20.0510
4723	730521	1	4.482	.059760	.023050	0.18037	.083000	0.38733	55.400	14.560	74.0895	8.10133	139.293	6.7433	19.3078
4723	730817	2	4.046	.133597	.034497	0.11300	.397010	1.01857	81.600	7.340	84.4667	7.50552	129.969	2.8990	23.9271
4723	731024	3	4.275	.081586	.022889	0.02525	.246814	0.67357	72.400	8.080	84.0457	7.67590	125.951	5.8417	19.9508
4724	730522	1	21.937	.035103	.014549	0.54354	.067763	0.27194	81.000	8.333	84.8270	7.95520	64.387	5.9894	17.0282
4724	730815	2	12.074	.036779	.010908	0.20838	.225671	0.45624	94.667	7.733	91.956	7.48390	71.364	2.4028	22.9399
4724	731023	3	4.999	.069603	.008772	0.04982	.263393	0.51603	129.833	4.150	92.837	7.22060	68.097	4.3977	20.0919
4725	730523	1	33.203	.019817	.009218	0.59345	.047817	0.29524	58.500	11.425	89.409	8.17381	78.825	8.5083	14.3480
4725	730820	2	36.915	.015656	.005984	0.49561	.053408	0.34359	98.250	7.750	92.743	7.38988	80.160	4.0796	19.2604
4725	731027	3	30.591	.020348	.013012	0.27260	.151229	0.37333	129.000	3.425	81.802	7.71646	82.500	4.5539	17.0085
4727	730515	1	1.079	.146167	.033125	0.06792	.072083	0.62083	31.000	29.700	60.792	8.05000	86.542	8.3500	21.3083
4727	730811	2	0.902	.378583	.177417	0.15542	.179167	2.89583	18.250	128.525	30.083	8.56667	101.417	3.0750	29.0167
4727	731019	3	0.684	.220375	.058000	0.07500	.073750	2.00000	17.000	84.650	51.000	8.60000	102.375	8.2000	20.0500
4728	730521	1	39.072	.018625	.002979	0.61083	.075000	0.36667	79.000	9.400	85.125	7.82500	68.250	7.1050	19.1437
4728	730815	2	14.050	.027604	.008562	0.16125	.204583	0.68333	56.500	6.400	85.562	7.73542	72.687	4.7896	25.3583
4728	731023	3	6.525	.018933	.004612	0.04912	.066625	0.38500	77.250	6.175	93.471	8.00292	76.437	8.1958	20.0025
5103	730404	1	18.359	.042104	.010854	0.67417	.076875	0.30208	28.750	1.850	70.312	7.75417	30.854	9.5250	11.8562
5103	730716	2	15.886	.029208	.004937	0.30062	.126250	0.38750	84.000	5.975	90.601	7.63542	34.146	5.0962	24.1113
5103	730927	3	13.228	.027933	.008756	0.19464	.178571	0.49952	68.750	9.100	37.017	7.09333	38.833	5.5135	21.8440
5105	730405	1	22.781	.018206	.002829	0.32987	.042795	0.26071	27.250	3.650	54.375	6.95286	17.480	9.6193	15.1746
5105	730718	2	27.790	.010208	.005611	0.16639	.061806	0.38056	144.000	10.567	87.514	7.69167	27.097	7.9849	22.6708
5105	730927	3	24.196	.009736	.004139	0.12875	.061806	0.34583	111.500	4.800	81.708	6.80833	26.958	5.3069	20.4639
5106	730407	1	5.031	.065139	.012117	0.23544	.070722	0.27667	23.833	8.400	72.822	7.34667	27.794	9.6292	12.8811
5106	730713	2	9.350	.039197	.009289	0.17011	.124583	0.52167	59.600	8.417	75.648	7.44583	37.356	8.4375	25.9064
5106	730925	3	4.657	.065490	.019528	0.09998	.175984	0.77444	43.200	9.643	78.113	6.87552	35.555	5.8969	24.2620
5108	730410	1	5.734	.094369	.033821	0.41250	.126568	0.69405	12.000			8.54643	21.119	9.5278	11.8444
5108	730719	2	3.987	.175150	.069617	0.16300	.509167	1.22167	54.000	11.533	74.500	7.35667	38.167	4.3778	23.3933
5108	730929	3	4.573	.097894	.033650	0.21600	.235333	0.90667	45.333	13.300	72.078	7.24722	35.522	3.3556	22.6928
5110	730404	1	27.690	.032083	.013774	0.47978	.133586	0.46116	58.200	18.820	70.000	7.82468	68.191	9.7354	10.0037
5110	730716	2	24.839	.030305	.005921	0.34808	.134607	0.53095	78.400	10.500	106.150	7.81012	78.560	4.8618	20.4811
5110	730926	3	14.648	.035634	.007548	0.18006	.166388	0.51212	104.400	5.460	82.896	7.04326	70.006	2.1713	20.9295
5111	730407	1	4.920	.048400	.007683	0.16000	.077333	0.40500	20.000	4.733	58.000	7.40833	27.117	9.0306	14.0717
5111	730713	2	8.235	.045500	.007933	0.09067	.253667	0.93833	47.333	14.867	55.800	7.30000	41.017	4.6361	26.7000
5111	730926	3	8.161	.059444	.015472	0.05444	.311667	1.01111	35.333	18.067	72.667	6.76111	33.250	5.2333	23.1667
5112	730409	1	1.869	.071500	.019000	0.05750	.075000	0.57500	60.000	7.950	79.250	6.75000	15.750	8.4500	14.3000
5112	730926	3	1.505	.061500	.008000	0.03000	.060000	0.95000	37.000	19.250	86.250	6.55000	25.500	6.2000	23.7500
5113	730409	1	5.030	.110300	.028433	0.45867	.065000	0.38000	18.000	5.133		7.67000	12.733	10.3250	11.5333
5113	730719	2	10.817	.062194	.021861	0.29000	.199444	0.54167	54.000	6.367	70.056	7.51944	20.944	6.1667	25.2861

(Continued)

TABLE B-1. TOTAL-DEPTH MEAN PARAMETER VALUES LISTED BY LAKE-DATE

STORET	DATE	ROUND	N/P	TOTALP	ORTHOP	NO2NO3	NH3	KJEL	SECCHI	CHLA	TURB	PH	ALK	DO	TEMP
5113	730929	3	4.962	.089078	.028367	0.20156	.159778	0.54889	47.333	8.500	85.056	6.95000	19.911	6.8167	22.5344
5401	730403	1	12.506	.083187	.017250	0.94875	.085625	0.36250	17.000	1.650	40.500	7.70625	43.125	10.2111	12.3667
5401	730718	2	17.080	.068958	.025042	1.05583	.121250	0.26250	25.500	26.350	46.458	7.68750	54.750	6.6375	24.5667
5401	730926	3	21.697	.080150	.021583	1.68983	.076333	0.52833	36.000	22.425	83.633	8.43333	64.883	8.5167	24.1667
5402	730424	1	92.424	.005683	.002841	0.48063	.043651	0.24286	88.000	0.500	87.778	5.16825	10.000	9.6167	14.8810
5402	730728	2	91.404	.005333	.002756	0.31400	.171333	0.41000	116.000	11.967	89.544	4.10444	10.067	6.3817	24.4856
5402	731005	3	37.449	.014750	.003861	0.30028	.257500	0.60556	86.333	1.733		5.22778	10.008	7.1733	21.1139
5403	730403	1	56.042	.015240	.002552	0.78490	.044687	0.20833	24.667	0.475	70.917	7.15521	10.000	10.8290	9.7729
5403	730718	2	66.183	.010006	.006405	0.58125	.068095	0.29821	216.000	13.425	116.474	6.62589	10.521	7.2945	21.5660
5403	730928	3	37.876	.012945	.007434	0.39203	.056932	0.30909	140.000	4.825	93.968	6.45739	11.339	6.3958	22.8023
5404	730423	1	73.950	.007030	.004875	0.47417	.036905	0.27202	88.000	0.633	83.330	6.52500	10.000	10.5925	12.8513
5404	730728	2	65.461	.006276	.003238	0.28867	.101429	0.27905	126.000	1.533	90.952	6.26778	11.924	5.9267	23.3430
5404	731005	3	31.063	.012897	.006087	0.28881	.106984	0.28413	150.000	1.367		6.48175	11.556	7.0933	22.2317

TABLE B-2. PARTIAL-DEPTH MEAN PARAMETER VALUES LISTED BY LAKE-DATE

STORET	DATE	ROUND	N/P	TOTALP	ORTHOP	NO2NO3	NH3	KJEL	SECCHI	CHLA	TURB	PH	ALK	DO	TEMP
0101	730608	1	15.97	0.07300	.013333	0.48750	.300000	0.75000	29.7500	4.425	66.8333	6.5667	20.000	6.7125	23.4500
0101	730827	2	44.62	0.02350	.007000	0.49667	.240000	0.92500	56.7500	4.975	90.8333	6.7583	25.333	5.0375	29.1583
0101	731030	3	70.81	0.02383	.008250	0.83000	.400000	0.74167	55.5000	2.650	80.1250	6.7500	28.333	3.9500	23.7667
0103	730619	1	7.24	0.04783	.007056	0.19111	.155556	0.45556	20.0000	2.400	77.7222	6.8444	21.056	5.3333	27.0278
0103	730830	2	11.43	0.02528	.009111	0.14222	.146667	0.46667	34.6667	2.900	87.1667	7.6000	20.611	4.5000	29.4111
0103	731103	3	9.13	0.02444	.009333	0.17333	.048889	0.35556	48.0000	1.133	84.0000	7.5333	27.889	8.1333	18.5222
0104	730609	1	9.51	0.05166	.013333	0.42031	.080208	0.38750	30.6250	5.525	70.3958	7.5010	46.406	7.7490	23.9323
0104	730817	2	9.93	0.03517	.010528	0.24694	.094722	0.57222	45.8333	13.017	78.7500	7.6139	53.222	6.0972	28.2389
0104	731022	3	6.43	0.04450	.021083	0.24208	.046667	0.35000	45.0000	7.975	89.6250	8.0625	59.258	7.8000	21.9375
0105	730607	1	20.65	0.04233	.010000	0.63250	.200833	0.44167	26.0000	2.725	78.7500	6.8167	22.667	6.2750	23.6667
0105	730829	2	183.19	0.00800	.004667	0.67833	.145000	0.42500	63.2500	3.025	92.1667	6.6167	20.083	4.9500	28.4500
0105	731031	3	50.71	0.01742	.006083	0.80167	.060000	0.35833	62.5000	0.800	91.3333	6.8333	20.083	5.7250	21.5667
0106	730607	1	5.61	0.08278	.036778	0.29111	.171111	0.47778	19.3333	6.567	63.3333	7.0444	42.333	5.7167	25.4444
0106	730829	2	3.36	0.03861	.015556	0.08722	.042778	0.55556	41.0000	10.733	91.2778	7.4389	54.389	4.8667	29.7778
0106	731031	3	4.78	0.08489	.045111	0.33778	.044444	0.32222	27.3333	3.867	78.1111	7.2333	48.667	5.3667	20.5444
0107	730319	1	9.92	0.02031	.003476	0.15179	.048214	0.27024	40.8571	1.767	72.4881	7.4286	10.262	9.8095	14.8214
0107	730617	1	8.66	0.01831	.006083	0.07226	.079286	0.36190	73.2857	14.043	88.9286	7.9393	12.071	8.4278	27.5536
0107	730825	2	9.44	0.01279	.008571	0.04714	.053571	0.50714	90.5714	5.786	91.9286	6.9714	12.429	7.2857	28.8714
0107	731101	3	7.64	0.01836	.006619	0.03857	.086667	0.29286	54.2857	3.371	93.2143	6.8048	11.119	6.9571	21.0571
0108	730606	1	4.78	0.08367	.031667	0.25556	.144444	0.50000	23.6667	5.900	63.0000	7.0556	37.222	6.5667	25.3778
0108	730829	2	3.95	0.04333	.015167	0.09500	.073333	0.61667	41.0000	8.433	81.6111	7.4833	52.333	6.1000	29.5389
0108	731031	3	5.45	0.05111	.018111	0.25778	.021111	0.32222	37.3333	4.300	83.7778	7.3556	53.667	6.3333	21.1889
0109	730609	1	8.88	0.06150	.029556	0.44667	.098889	0.32778	36.3333	1.450	86.4444	7.6500	54.167	7.3917	24.6944
0109	730815	2	9.71	0.04371	.035958	0.34083	.081250	0.43333	72.8000	3.525	83.6250	7.4333	55.500	5.1083	29.5625
0109	731022	3	8.53	0.05789	.046111	0.43667	.057778	0.24444	46.3333	7.767	97.2222	7.6444	57.444	7.1000	22.8222
0112	730319	1	3.05	0.13100	.035000	0.27500	.125000	0.50000	6.0000	3.600	30.0000	7.4500	27.500	8.4000	14.5000
0112	730608	1	3.38	0.08961	.027139	0.18986	.100417	0.48194	17.6667	8.117	48.6389	6.9889	30.417	6.1056	24.2153
0112	730825	2	1.62	0.08667	.030639	0.09361	.055000	0.65556	28.8333	14.700	77.5278	7.4861	47.861	5.5000	27.6944
0112	731030	3	2.84	0.11180	.050167	0.10533	.100000	0.48000	20.8000	12.440	74.7667	7.4733	57.967	7.4300	16.6633
0114	730609	1	9.12	0.05467	.021000	0.41000	.087778	0.33333	32.0000	3.133	81.1111	7.5667	52.667	7.8000	25.2000
0114	730816	2	8.86	0.03117	.009833	0.20833	.068333	0.35000	75.0000	9.350	86.1667	7.6500	57.167	8.2667	29.4000
0114	731022	3	8.05	0.05825	.036000	0.41000	.052500	0.25000	60.0000	11.850	95.7500	7.5500	66.250	6.4000	22.9500
0115	730319	1	2.62	0.05891	.029044	0.08644	.056000	0.38667	88.0000	4.367	85.6667	8.3222	98.533	8.6833	16.5244
0115	730830	2	8.73	0.04228	.015278	0.13278	.226667	1.21111	39.0000	13.900	90.6111	8.3611	71.444	3.8333	20.8111
0115	731102	3	1.71	0.05333	.010417	0.04167	.042500	0.70000	59.3333	19.867	89.9167	8.1583	89.333	8.8000	17.2583
1002	730410	1	13.03	0.12350	.038000	1.45000	.160000	0.90000	19.0000	16.400	63.0000	8.3500	10.000	9.2000	13.0000
1002	730720	2	7.82	0.21600	.046000	1.50000	.190000	1.20000	26.0000	101.200		8.4000	25.000	8.1000	25.4000
1002	730928	3	8.86	0.30000	.070000	0.16000	.080000	4.40000	17.0000	237.000	19.0000	10.3000	23.000		20.2000
1005	730410	1	13.07	0.20800	.071500	2.75000	.095000	0.75000	22.0000	16.900	60.0000	8.5000	14.500	10.3000	13.9000
1005	730720	2	4.75	0.28600	.051000	1.30000	.060000	1.80000	24.0000	92.500		9.2000	21.000	15.2000	26.3000
1005	730928	3	7.44	0.27000	.143000	1.96000	.050000	1.70000	36.0000	134.400	13.0000		36.000		
1007	730410	1	7.44	0.21750	.022750	1.45000	.190000	0.90000	11.5000	17.450	18.5000	7.0750	19.750	9.5000	12.6000
1007	730720	2	5.37	0.08500	.009500	0.40500	.050000	0.95000	32.0000	55.650		8.3000	40.500	10.0500	27.3000
1007	730929	3	3.31	0.15050	.015500	0.22000	.245000	2.05000	20.0000	39.700	49.7500	7.5000	53.500	5.3000	21.4750
1008	730410	1	18.64	0.24533	.097333	4.20000	.373333	0.96667	18.0000	8.600	55.6667	7.1000	22.333	9.2000	12.1000
1008	730720	2	41.07	0.10200	.015000	4.10000	.090000	1.10000	35.0000	52.800		9.7000	27.000	17.8000	24.2000
1008	730929	3	22.22	0.21100	.101000	4.47000	.220000	1.70000	50.0000	18.700	83.5000	7.7000	38.000	6.5000	19.4000
1009	730410	1	66.54	0.03650	.008750	2.37500	.047500	0.65000	41.0000	10.450	82.5000	8.4000	12.750	10.0500	13.9750
1009	730720	2	1.39	0.09475	.010500	0.07500	.055000	1.10000	39.0000	58.000		8.7000	23.250	9.1500	28.1750
1009	730928	3	43.70	0.04300	.013000	1.82500	.050000	0.80000	72.0000	21.850	84.2500	7.7000	18.500	9.3000	21.8500
1010	730410	1	32.94	0.03900	.012000	1.20000	.085000	0.60000	36.0000	3.800	82.0000	7.9500	10.000	9.2000	13.0500
1010	730720	2	7.27	0.02200	.007000	0.10000	.060000	0.60000		6.400		6.8000	14.000	9.7000	28.7000
1201	730307	1	0.58	0.71700	.542500	0.17500	.172500	1.82500	33.0000	27.500	90.5000	7.7500	34.250	6.2000	20.9500
1201	730831	2	0.67	0.42875	.236750	0.15250	.112500	2.92500	23.0000	155.750	78.7500	9.2750	51.500	9.9500	29.4500
1201	731105	3	0.36	0.82450	.610500	0.11250	.170000	3.42500	22.0000	84.950	87.0000	8.7000	61.750	8.1500	21.0167
1202	730312	1	3.6700	0.10533	0.01483	0.20833	.168333	3.20000	15.167	33.717	63.0000	9.4833	120.000	10.3667	25.7200
1202	730906	2	2.3329	0.16067	0.03183	0.19333	.140000	4.85000	11.600	77.900	35.1667	8.8000	126.833	8.7667	28.9167

(Continued)

TABLE B-2. PARTIAL-DEPTH MEAN PARAMETER VALUES LISTED BY LAKE-DATE (Continued)

STORET	DATE	ROUND	N/P	TOTALP	ORTHOP	NO2NO3	NH3	KJEL	SECCHI	CHLA	TURB	PH	ALK	DO	TEMP
1202	731107	3	1.8313	0.08783	0.02058	0.08583	.074167	3.55833	20.000	28.217	45.1667	9.3833	125.583	9.4667	23.1250
1203	730308	1	0.9150	1.06000	0.33900	0.86000	.110000	3.90000	16.000	355.600	35.0000	10.6000	85.000	19.2000	24.3000
1203	730904	2	0.3939	0.66000	0.29300	0.15000	.110000	4.00000	18.000	141.600	31.0000	10.6000	70.000	14.2000	29.9000
1203	731106	3	1.2790	0.17200	0.13700	0.16000	.060000	4.30000	18.000	128.600	37.0000	10.0000	85.000	11.4000	24.9000
1206	730318	1	4.9621	0.05367	0.02933	0.17167	.088333	1.00000	22.000	1.467	93.6667	7.6333	10.500	7.8333	20.6167
1206	730907	2	1.4472	0.07000	0.03183	0.02833	.071667	1.73333	36.333	17.900	81.6667	7.2500	26.500	5.5333	28.4833
1206	731108	3	1.8620	0.09333	0.05033	0.03000	.073333	1.28333	20.000	11.267	83.1667	7.2833	18.000	6.5333	21.2667
1207	730307	1	2.8654	0.07361	0.02328	0.12722	.088889	1.43333	30.333	27.233	85.3333	8.2167	41.333	7.9833	19.8333
1207	730907	2	0.9090	0.08650	0.02700	0.03000	.048333	1.86667	34.333	36.167	76.5000	8.3500	40.167	5.7000	29.5000
1207	731108	3	1.3429	0.09006	0.04561	0.08778	.047222	1.28333	38.667	17.900	79.4444	7.3611	60.056	7.0667	20.9944
1208	730312	1	2.7457	0.10950	0.01367	0.17000	.126667	2.65000	18.333	49.333	67.1667	9.6667	109.333	10.5667	24.4167
1208	730906	2	2.4659	0.09200	0.02467	0.12000	.091667	3.68333	15.333	80.200	50.3333	9.0333	100.167	9.4667	29.1000
1208	731105	3	2.5380	0.09667	0.04533	0.12667	.115000	3.56667	17.667	50.400	55.2222	9.3167	105.500	10.4667	22.9556
1209	730314	1	0.5634	1.26000	0.39900	0.20000	.510000	4.70000	3.000	116.700		9.0000	196.000		
1209	730905	2	0.2562	1.60000	0.95000	0.21000	.200000	5.70000	12.000	595.000	11.0000	7.2000	123.000		28.3000
1209	731107	3	0.1689	1.48000	1.10000	0.18000	.070000	4.00000	18.000	72.600	29.0000	7.6000	134.000	4.0000	25.6000
1210	730310	1	1.4625	0.10693	0.05903	0.05567	.092000	1.06000	34.400	15.180	94.6333	7.7033	53.133	6.7000	21.0767
1210	730901	2	1.6372	0.13570	0.06630	0.09400	.116000	1.83000	35.000	56.620	72.5000	7.5400	53.600	4.9300	27.9100
1210	731108	3	0.9521	0.17717	0.10150	0.08833	.065000	1.83333	17.333	32.000	76.5000	7.4167	49.500	6.9333	21.4500
1211	730308	1	0.8966	0.13367	0.06083	0.06333	.053333	1.03333	27.000	14.267	88.5000	7.5333	16.833	7.2667	23.5667
1211	730904	2	1.0662	0.20450	0.06175	0.11750	.100000	1.75000	27.000	33.600	61.5000	7.9250	20.750	6.7000	28.6000
1211	731106	3	0.6069	0.18250	0.08417	0.04833	.061667	1.13333	35.000	15.800	84.3333	8.3167	18.500	8.5333	24.1667
1212	730313	1	1.3258	0.15962	0.09050	0.07375	.136250	1.03750	52.000	41.350	75.7875	8.5375	18.500	8.0000	22.0000
1212	730905	2	2.7183	0.07550	0.01575	0.09750	.107500	1.27500	41.500	19.400	84.6667	6.5750	14.750	6.4000	28.7917
1212	731107	3	0.7161	0.13383	0.07533	0.04250	.053333	1.28333	44.000	22.250	92.4167	6.9917	14.333	6.2500	23.9583
1214	730314	1	3.3787	0.09867	0.01233	0.16333	.170000	2.66667	21.000	22.800	62.0000	9.3000	100.333	9.1667	25.7333
1214	730906	2	2.0163	0.10000	0.02767	0.10667	.090000	3.80000	18.667	99.233	48.3333	8.9667	90.667	8.7333	29.5000
1214	731105	3	1.9911	0.13417	0.05333	0.14333	.123333	3.26667	16.333	78.533	48.1111	8.8500	100.500	9.0333	22.5889
1215	730308	1	2.7624	0.06033	0.01633	0.08667	.080000	0.83333	30.000	37.300	89.6667	8.6333	11.000	6.8500	21.0667
1215	730906	2	2.6530	0.04900	0.01100	0.06000	.070000	1.15000	48.000	25.300	75.5000	6.9500	16.000	5.3000	28.3000
1215	731107	3	1.1711	0.07400	0.01467	0.03667	.050000	1.20000	34.000	17.100	83.3333	6.9000	14.333	7.1000	23.1333
1217	730314	1	0.3651	0.54650	0.12400	0.06500	.090000	3.00000	21.000	49.000		8.5500	93.000		26.7500
1217	730904	2	1.1880	0.60750	0.13500	0.42500	.250000	6.35000	12.000	166.750	7.1500	10.1500	73.000	10.2000	28.9000
1217	731106	3	0.2133	0.92250	0.49450	0.10500	.090000	4.10000	16.500	77.950	32.0000	9.8500	91.500	10.1000	25.3000
1219	730315	1	5.1612	0.03100	0.00700	0.06500	.095000	0.95000	48.000	15.500	67.5000	7.5500	10.000	3.5000	22.0000
1219	730905	2	3.8235	0.03400	0.02300	0.06000	.070000	1.30000	35.000	12.600	93.0000	7.6000	10.000	8.6000	29.7000
1219	731105	3	1.0493	0.08100	0.05200	0.03000	.055000	0.80000	40.000	8.100	78.5000	7.4500	10.000	7.2000	23.9000
1220	730315	1	0.1106	1.18500	1.03333	0.06167	.070000	1.28333	44.000	42.750	64.3333	10.1333	71.000	11.5500	24.7333
1220	730905	2	0.2046	1.26000	1.19250	0.18500	.072500	1.72500	29.500	77.950	83.5000	8.4250	60.000	8.5000	29.2250
1220	731105	3	0.3802	1.38333	1.25667	0.41250	.117500	1.44167	34.500	41.650	72.8333	8.2833	68.417	8.1000	23.1333
1221	730312	1	3.5714	0.03708	0.01283	0.06333	.053333	0.87500	59.000	4.817	83.3333	7.9417	10.000	7.9167	26.1667
1221	730904	2	4.8165	0.03850	0.01433	0.08500	.095000	1.45000	27.000	11.367	86.1667	7.5667	10.167	7.1333	29.6833
1221	731106	3	2.0875	0.05692	0.01683	0.06167	.055833	1.09167	21.333	3.600	74.9167	6.7667	10.167	7.5333	24.9833
1223	730314	1	0.5886	0.49250	0.26700	0.15500	.135000	2.60000	13.500	76.600		9.5500	80.000	10.3500	26.7000
1223	730905	2	1.0340	0.44600	0.28800	0.25500	.200000	3.40000	12.000	115.650	36.0000	9.2500	64.000	10.6000	28.5500
1223	731105	3	0.2002	0.57600	0.41250	0.05000	.065000	1.70000	13.500	37.400	61.5000	7.4000	76.000	8.2000	23.3500
1224	730314	1	4.6014	0.03225	0.00475	0.06750	.078750	1.16250	36.750	15.925	72.3750	7.5875	19.500	7.4000	24.1375
1224	730905	2	5.9164	0.04125	0.00737	0.11875	.117500	2.00000	35.250	37.525	78.3750	7.8875	19.750	7.7000	28.8500
1224	731107	3	3.0279	0.03750	0.01100	0.05375	.057500	1.50000	37.000	18.975	89.7500	7.1375	17.625	7.7125	23.0667
1227	730308	1	0.6191	1.72000	1.05000	0.63500	.430000	3.00000	24.000	256.700	79.5000	9.0500	114.000	0.7000	22.3000
1227	730906	2	0.3214	1.12000	0.59000	0.19000	.170000	7.15000	9.000	456.600	41.5000	9.5000	72.500	7.2000	28.5500
1227	731106	3	1.1335	1.61000	1.19000	1.71000	.115000	4.00000	18.000	114.400	49.6667	8.9000	73.500	8.9000	24.3000
1228	730313	1	7.1758	0.04625	0.00875	0.16500	.165000	1.55000	27.000	28.500	65.5000	9.0750	37.000	10.0000	26.4750
1228	730906	2	6.942	0.03600	0.01950	0.14000	0.11000	2.55000	35.500	33.950	70.5000	8.5500	33.000	7.4000	28.6000
1228	731107	3	3.678	0.06050	0.03400	0.12000	0.10000	2.15000	31.000	27.450	72.5000	8.8500	34.000	8.8000	24.0000
1229	730314	1	1.965	0.03900	0.00800	0.03667	0.04000	0.56667	100.000	6.800	80.0000	8.7333	42.000	8.2000	24.8000
1229	730905	2	4.545	0.02200	0.01300	0.05000	0.05000	1.20000	55.000	11.900	88.0000	8.0000	39.000	7.8000	30.2000
1229	731105	3	1.951	0.04100	0.02500	0.04000	0.04000	0.60000	40.000	7.500	80.0000	7.4000	44.000		24.2000
1230	730315	1	5.177	0.01394	0.00578	0.02500	0.04778	0.44444	132.000	1.200	93.0000	7.6222	10.000	9.2833	25.2000
1230	730906	2	3.944	0.02067	0.01333	0.03167	0.04667	0.95000	73.000	5.967	94.5000	7.1333	10.000	7.7000	29.6500
1230	731107	3	3.085	0.02361	0.01011	0.02833	0.04111	0.54444	76.000	2.833	81.3333	6.5444	10.000	8.0867	22.6556

(Continued)

TABLE B-2. PARTIAL-DEPTH MEAN PARAMETER VALUES LISTED BY LAKE-DATE (Continued)

STORET	DATE	ROUND	N/P	TOTALP	ORTHOP	NO2NO3	NH3	KJEL	SECCHI	CHLA	TURB	PH	ALK	DO	TEMP
1231	730314	1	0.938	0.23500	0.15539	0.06389	0.16833	1.64444	29.333	19.550	73.1667	7.7278	41.278	5.9500	25.9500
1231	730905	2	1.933	0.23233	0.19517	0.15167	0.31000	2.10000	26.333	18.767	84.5000	7.3500	41.500	5.2667	28.9333
1231	731105	3	2.062	0.15050	0.09417	0.17111	0.12778	1.85000	20.667	6.133	83.6111	7.2500	37.167	5.3667	22.5444
1232	730309	1	3.246	0.05148	0.00738	0.10917	0.05900	1.52000	29.500	10.267	69.0611	8.6950	136.750	8.6567	25.6267
1232	730902	2	6.395	0.07640	0.02480	0.22700	0.10800	2.36000	26.300	17.440	73.6000	8.4100	135.500	6.7556	28.4000
1232	731106	3	1.934	0.06497	0.01837	0.07517	0.04767	1.55333	27.100	15.440	65.4500	8.4867	115.150	7.7900	25.2500
1234	730315	1	2.024	0.08650	0.05525	0.09000	0.08500	1.62500	33.000	5.400	73.1500	8.1500	37.500	6.3000	25.0000
1234	730905	2	2.774	0.10850	0.08400	0.19000	0.10500	2.30000	20.000	12.200	88.5000	7.2000	51.000	5.8000	29.1000
1234	731105	3	2.332	0.05600	0.04125	0.04750	0.08250	1.35000	40.000	1.900	59.7500	7.8750	31.500	4.7000	23.8000
1236	730313	1	19.108	0.04456	0.00733	0.28556	0.54000	2.11111	29.333	28.967	65.2222	9.2111	55.056	8.8833	24.8278
1236	730905	2	10.836	0.03025	0.01250	0.15750	0.14500	1.62500	28.000	51.750	66.5000	7.5250	52.750	7.0000	28.4750
1236	731107	3	5.883	0.02987	0.01425	0.08875	0.08500	1.55000	36.000	29.433	79.8889	8.0167	45.625	7.7667	23.5444
1238	730315	1	1.009	0.10900	0.02800	0.05000	0.06000	1.90000	36.000	49.600		9.3000	80.000		25.0000
1238	730905	2	4.411	0.03400	0.01600	0.06000	0.09000	1.60000	24.000	12.200		7.9000	88.000	6.0000	
1238	731105	3	1.756	0.07400	0.06100	0.06000	0.07000	1.00000	48.000	7.700	73.0000	8.4000	67.000		24.9000
1239	730620	1	2.733	0.12356	0.03754	0.14375	0.19250	0.67917	23.500	2.275	81.0000	6.7958	12.083	3.8500	27.1667
1239	730831	2	4.737	0.08117	0.03400	0.19667	0.15750	0.80000	36.750	20.650	90.1667	6.5750	12.833	5.4500	28.9917
1239	731105	3	1.847	0.08879	0.03254	0.08500	0.07333	0.32083	53.250	5.525	94.0000	6.9875	17.583	6.5750	20.0667
1240	730309	1	0.126	0.70250	0.61750	0.04250	0.04667	1.13333	36.000	18.550	91.4167	7.9917	65.667	6.3750	21.7500
1240	730904	2	0.233	0.70750	0.54700	0.08250	0.08250	1.77500	31.500	53.200	69.7500	8.6000	86.500	6.5500	28.2250
1240	731106	3	0.128	0.73567	0.43767	0.03583	0.05167	1.47500	34.000	41.350	81.3333	8.2500	77.583	6.8000	22.9333
1241	730313	1	1.206	0.28675	0.17300	0.13500	0.12375	1.77500	15.750	37.825	75.2500	8.9125	24.375	6.7000	25.6750
1241	730906	2	0.789	0.39250	0.30350	0.11000	0.10125	2.20000	32.000	39.500	62.2500	7.7625	28.125	6.1250	29.1875
1241	731107	3	0.419	0.27712	0.18575	0.06375	0.05500	1.53750	33.500	14.575	78.2500	7.1875	18.875	7.2000	22.9500
1242	730312	1	0.798	1.19500	1.04500	0.61500	0.33000	2.45000	30.000	38.300	81.0000	8.2500	23.000	2.1000	24.1000
1242	730906	2	0.126	1.11000	0.97000	0.06000	0.08000	2.80000	22.000	135.800	76.0000	7.9000	34.000	9.2000	29.1000
1242	731105	3	0.609	0.91000	0.78500	0.27500	0.28000	2.30000	32.000	56.800	85.3333	6.9000	33.500	5.7000	22.8667
1243	730313	1	3.222	0.03100	0.00450	0.04000	0.06000	0.55000	46.000	4.467	75.5000	8.2333	10.000	8.1667	26.1333
1243	730905	2	3.087	0.05500	0.01600	0.07667	0.08667	1.10000	39.667	12.800	90.3333	6.2000	10.000	7.0667	27.7333
1243	731107	3	1.520	0.04933	0.01200	0.03167	0.04333	0.78333	38.333	6.033	93.8889	6.5500	10.000	7.8000	23.4444
1246	730314	1	16.683	0.01917	0.00533	0.15500	0.13167	1.23333	96.000	5.650	85.3333	8.5000	104.833	8.9000	24.2833
1246	730906	2	4.424	0.02742	0.01783	0.06167	0.05417	1.37500	40.000	56.200	84.3333	8.6083	107.917	8.2000	29.1917
1246	731105	3	4.543	0.03517	0.02508	0.07667	0.08167	1.22500	41.000	14.250	90.8333	8.8417	117.167	9.2000	22.5333
1247	730620	1	0.731	1.16000	0.85250	0.33000	0.52500	2.95000	14.000	146.750	64.5000	9.2500	39.500	15.4500	28.6500
1247	730830	2	0.359	1.47500	0.61000	0.31000	0.22000	3.70000	15.000	147.400	62.5000	10.3000	46.000	16.0000	30.2000
1247	731105	3	1.297	3.08500	2.01000	0.81000	3.02500	8.20000	11.000	126.800	60.0000	8.4500	107.000	2.8000	19.9000
1248	730309	1	0.819	0.21500	0.02750	0.09500	0.08000	1.80000	42.000	100.050		8.6500	129.000	9.1500	24.6500
1248	730904	2	1.810	0.23500	0.02250	0.13000	0.10750	2.57500	21.000	140.150	44.0000	8.9500	111.250	7.2000	28.0750
1248	731106	3	0.550	0.24525	0.03375	0.06500	0.07000	2.75000	15.500	65.800	34.2500	8.8000	114.500	8.2000	24.3500
1249	730314	1	0.219	1.14000	0.60000	0.13000	0.12000	4.40000	15.000	240.600		9.7000	72.000		26.8000
1249	730905	2	0.527	2.56000	0.04400	1.07000	0.28000	3.70000	1.000	10.900	10.0000	6.8000	32.000	4.6000	29.3000
1249	731107	3	0.481	4.55000	0.11700	1.99000	0.20000	5.10000		3.200	3.0000	7.3000	24.000	6.4000	22.2000
1250	730309	1	1.416	0.04644	0.02922	0.02611	0.03944	0.64444	88.667	10.900	99.5000	7.2111	10.000	8.5222	22.2111
1250	730904	2	4.105	0.02650	0.01600	0.04667	0.05833	0.96667	116.667	5.433	95.3333	5.7000	10.333	6.6000	28.0000
1250	731106	3	1.943	0.03450	0.02211	0.02278	0.04278	0.67778	92.000	4.267	98.5556	6.0889	10.000	7.5000	23.1556
1252	730308	1	0.326	0.53033	0.38158	0.09125	0.08125	1.83333	36.000	53.700	85.0833	9.5542	80.667	8.6000	20.7500
1252	730906	2	0.439	0.39850	0.24500	0.09750	0.07750	2.52500	34.000	102.750	69.0000	9.0750	81.750	8.8000	28.6500
1252	731106	3	0.34	0.51992	0.32625	0.07667	.104167	2.56667	34.000	54.250	74.5000	9.15000	81.583	7.55000	23.5000
1258	730308	1	2.06	0.04200	0.00767	0.04667	.040000	0.86667	60.000	20.800	89.0000	8.73333	41.667	9.50000	22.5333
1258	730904	2	2.78	0.05200	0.02150	0.07500	.070000	1.20000	40.000	32.600	83.5000	8.95000	42.000	5.60000	26.9500
1258	731106	3	1.15	0.06500	0.01500	0.02500	.050000	0.65000	42.000	25.500	92.3333	7.00000	31.000	8.00000	23.7667
1261	730313	1	4.17	0.02150	0.00421	0.03500	.051250	0.66250	80.250	3.800	89.7500	6.88333	10.000	7.80000	24.0792
1261	730906	2	2.68	0.04737	0.02912	0.05125	.053750	1.22500	59.750	6.175	85.8750	6.40000	15.500	6.37500	28.8750
1261	731107	3	1.79	0.04717	0.00900	0.03917	.047500	1.15417	37.500	5.525	83.7917	6.57917	10.000	7.45000	22.7083
1264	730312	1	0.11	1.26000	1.21000	0.06000	.080000	1.70000	24.000	88.200		7.40000	30.000	7.60000	24.2000
1301	730630	1	9.01	0.02135	0.00337	0.10083	.088750	0.45417	65.000	6.750	87.5000	7.32361	15.819	5.84444	26.6875
1301	730917	2	4.87	0.01708	0.00633	0.02833	.048333	0.85000	61.667	8.417	92.9167	6.74167	16.750	6.51667	26.7583
1301	731113	3	5.68	0.03117	0.00969	0.09194	.067500	0.28056	43.833	7.300	91.1278	6.73889	20.861	8.63333	13.7333
1302	730622	1	6.01	0.08092	0.01267	0.31417	.156667	0.55833	19.500	1.925	56.6667	7.08333	16.583	4.68750	27.4083
1302	730907	2	9.89	0.02329	0.01196	0.16875	.052500	0.46667	38.250	2.550	92.2083	7.27917	19.917	6.22500	28.9917
1302	731108	3	7.26	0.03361	0.02011	0.18000	.062222	0.26111	40.000	0.833	94.2000	7.55000	23.611	8.86667	16.6667

(Continued)

TABLE B-2. PARTIAL-DEPTH MEAN PARAMETER VALUES LISTED BY LAKE-DATE (Continued)

STORET	DATE	ROUND	N/P	TOTALP	ORTHOP	NO2NO3	NH3	KJEL	SECCHI	CHLA	TURB	PH	ALK	DC	TEMP
1303	730629	1	11.10	0.01187	0.00251	0.06181	.065833	0.33611	171.500	6.633	96.0556	7.22500	10.000	8.70000	25.2819
1303	730915	2	4.97	0.01672	0.00608	0.03431	.037639	0.32917	122.667	5.800	95.2083	6.22917	10.542	6.98333	25.4778
1303	731110	3	6.83	0.01483	0.01272	0.03556	.063889	0.20556	57.500	6.583	85.8889	6.51667	10.000	8.10000	14.9389
1304	730625	1	6.08	0.02658	0.00500	0.08455	.075152	0.39394	61.300	8.155	83.9697	7.56970	18.879	6.65909	27.4000
1304	730910	2	5.14	0.01623	0.00663	0.03523	.043333	0.41894	75.182	7.082	92.3182	7.16417	18.614	6.60606	29.1227
1304	731112	3	4.23	0.03186	0.02423	0.05970	.062273	0.31818	45.818	4.909	79.0455	6.87424	18.348	8.24545	16.5652
1309	730701	1	4.75	0.11315	0.04537	0.30417	.144792	0.60833	35.000	13.800	77.1250	8.53333	18.146	7.24792	27.8458
1309	730908	2	3.27	0.37167	0.12350	0.35083	.120417	0.83750	39.000	21.400	72.2917	7.76250	23.125	5.73750	28.0417
1309	731113	3	3.37	0.29280	0.20567	0.58833	.185000	0.71333	41.200	9.740	90.5067	6.87333	23.533	8.86000	13.5267
1310	730630	1	13.72	0.01567	0.00399	0.09090	.084444	0.39444	104.000	5.967	88.5069	8.02708	11.111	8.58333	27.0049
1310	730911	2	5.33	0.01789	0.00486	0.03042	.045833	0.47083	99.833	6.675	96.0500	6.94861	11.486	6.74861	28.0917
1310	731109	3	7.25	0.02028	0.01576	0.06681	.065278	0.27361	106.917	3.650	91.5267	6.29306	11.250	7.54167	17.6972
1311	730627	1	9.81	0.01933	0.00461	0.10750	.082222	0.29722	128.000	5.933	89.7222	6.68333	13.194	6.13333	23.8167
1311	730912	2	7.81	0.00911	0.00356	0.03000	.040556	0.35000	96.333	10.000	96.4444	6.17778	10.000	7.02222	26.6833
1311	731112	3	7.93	0.01567	0.00800	0.06000	.061111	0.21111	58.667	4.033		6.28889	10.889	7.36667	15.7444
1312	730628	1	8.72	0.05193	0.00953	0.34533	.100000	0.48000	34.000	4.900	76.0667	7.22667	39.867	6.35000	27.9867
1312	730831	2	13.96	0.02510	0.01073	0.28133	.075333	0.51000	46.800	8.660	84.9000	7.72333	56.000	7.00000	28.9033
1312	731103	3	8.72	0.04340	0.01833	0.33000	.052000	0.42667	50.800	6.720	84.7733	7.51333	55.333	8.36000	19.4267
1313	730701	1	7.47	0.02850	0.00461	0.11389	.090000	0.45000	59.000	10.500	84.8333	8.06667	18.000	6.95833	28.9278
1313	730918	2	4.38	0.02133	0.00400	0.04500	.046667	0.59167	69.667	7.333		7.47500	24.917	6.26667	30.0917
1313	731113	3	8.74	0.03322	0.02122	0.20333	.050000	0.32222	49.333	6.183	90.6500	6.79444	23.167	8.15000	16.3222
1314	730619	1	4.10	0.05800	0.01008	0.15500	.087083	0.75417	42.750	8.100	77.9167	8.34167	17.625	7.52500	28.8417
1314	730830	2	7.95	0.03004	0.00825	0.16375	.092500	0.66667	43.250	11.775	80.5000	7.88333	19.875	6.90833	28.9750
1314	731103	3	6.73	0.05367	0.01554	0.32583	.050417	0.35833	41.000	7.375	89.3167	7.72917	23.083	8.10000	19.8417
1316	730627	1	9.75	0.01425	0.00342	0.05917	.074167	0.35000	128.000	3.133	92.0000	6.83333	10.000	8.44444	23.4500
1316	730915	2	10.31	0.00750	0.00683	0.02667	.046667	0.41667	105.667	4.633	97.6667	6.26667	10.667	7.00000	24.9667
1316	731112	3	10.11	0.00933	0.00422	0.03333	.060000	0.20000	81.667	1.467		6.25556	10.000	8.03333	15.6556
1317	730611	1	4.19	0.11120	0.03587	0.36733	.099333	0.38667	21.200	5.060	58.7333	6.88000	16.067	8.23000	22.7867
1317	730829	2	5.74	0.09937	0.03742	0.35833	.128333	0.77500	39.500	12.475	72.3333	8.15000	19.583	7.66667	27.8417
1317	731031	3	6.07	0.12237	0.07054	0.60083	.108750	0.34167	39.500	5.375	89.7500	6.87917	18.083	7.30000	18.2667
1318	730628	1	14.04	0.00808	0.00236	0.04778	.065556	0.30833	109.667	3.500	96.3333	6.91667	10.000	8.88889	25.1722
1318	730918	2	9.44	0.00783	0.00633	0.02833	.041667	0.45000	113.333	3.033	98.3333	6.41667	10.000	7.20000	24.3333
1318	731110	3	10.60	0.00644		0.02111	.046667	0.21111	185.333	1.667	85.8889	6.40000	10.111	7.80000	15.4222
1319	730622	1	6.62	0.04992	0.00550	0.11972	.202500	0.80000	40.667	11.067	73.5833	7.80278	28.111	3.83333	25.1861
1319	730908	2	10.64	0.03889	0.00867	0.04556	.326667	1.05556	42.667	20.633	82.2222	7.28889	35.111	3.33333	25.6750
1319	731108	3	1.36	0.05844	0.02100	0.02889	.045556	0.57222	38.333	12.750	93.4222	7.49444	35.722	8.00000	15.4000
1703	730511	1	83.67	0.08967	0.06433	7.44000	.051667	0.43333	19.500	11.000	52.0000	8.26667	162.500	9.17500	16.5833
1703	730809	2	209.89	0.03458	0.00692	6.85833	.090833	1.07500	56.000	10.850	77.8750	8.22500	169.667	7.06667	27.6125
1703	731017	3	69.63	0.04200	0.01817	2.68958	.117500	0.81667	30.500	54.750	26.7500	8.45000	156.333	7.55000	18.9875
1706	730508	1	17.47	0.09089	0.02667	1.42556	.074444	0.63333	21.000	15.533		8.06667	110.778	8.95000	16.3222
1706	730810	2	15.40	0.07756	0.02489	1.09778	.098889	1.06667	26.000	14.700	45.1667	7.86111	128.111	5.76667	27.2111
1706	731018	3	14.69	0.08767	.041989	1.23722	.033889	0.79444	19.3333	19.867	57.7278	8.15556	159.500	8.3333	17.9278
1708	730507	1	73.23	0.11175	.057750	8.09000	.085000	0.42500	9.0000	2.650		8.10000	162.500	9.1000	15.2750
1708	730809	2	26.61	0.16400	.076500	4.27500	.095000	1.15000	9.0000	15.300	17.5000	7.95000	236.500	6.8000	25.8500
1708	731018	3	13.04	0.21275	.095500	2.57000	.202500	1.27500	10.0000	18.050	10.2500	7.97500	291.250	7.9000	16.9000
1711	730507	1	13.84	0.04067	.009000	0.43556	.075556	0.53333	41.3333	7.033		7.84444	75.000	8.1000	19.4556
1711	730810	2	4.63	0.03889	.008556	0.10667	.041111	0.78889	34.0000	10.233	89.4444	7.82222	73.778	6.4667	32.1889
1711	731018	3	3.25	0.03294	.013639	0.05611	.036111	0.51667	54.0000	5.833	89.0167	7.93333	78.167	7.1444	23.0278
1712	730508	1	2.16	0.12039	.012667	0.12111	.100556	0.76111	16.3333	24.100		8.15556	36.000	8.3167	18.1389
1712	730808	2	2.33	0.18361	.042889	0.12389	.135000	2.32778	22.6667	106.800	29.1167	8.36667	58.611	8.0333	29.1667
1712	731019	3	1.60	0.14394	.025500	0.10667	.058333	1.11111	14.3333	44.700	50.7778	7.95000	55.944	7.8667	19.4667
1714	730508	1	60.25	0.12400	.076278	7.24556	.102222	0.51111	16.3333	14.733	43.0000	8.23333	212.333	9.2500	15.3889
1714	730809	2	33.71	0.11283	.028722	3.68000	.081667	1.18889	25.3333	92.867	31.7222	8.03889	239.556	7.3667	27.1833
1714	731018	3	4.71	0.15056	.052167	0.60056	.043333	0.72222	18.0000	21.400	19.4444	8.19444	219.000	9.7000	17.8167
1725	730509	1	5.09	0.23983	.122333	1.03167	.180000	1.01667	19.0000	44.550		8.26667	199.167	8.4500	13.9333
1725	730807	2	0.31	0.75000	.434333	0.09167	.141667	2.21667	21.0000	42.200	76.5000	8.88333	265.500	8.1500	25.3500
1725	731016	3	1.64	0.79233	.451833	0.73333	.570000	2.65000	12.0000	61.250	21.6667	8.52500	220.000	8.0500	17.3500
1726	730512	1	7.34	0.28917	.106208	1.95292	.183333	0.75833	5.5000			7.69583	56.917	7.9625	18.1250
1726	730810	2	8.64	0.19225	.068292	1.53708	.117083	0.91250	9.0000	12.750	16.6667	7.41667	67.250	5.1500	26.7833
1726	731018	3	7.56	0.14950	.065667	1.09292	.057500	0.71667	16.7500	8.575	53.0292	7.62917	76.292	7.5500	17.5000
1727	730509	1	3.82	0.09925	.061250	0.21500	.165000	1.07500	36.0000	14.800		8.05000	197.500	8.1500	13.9250

(Continued)

TABLE B-2. PARTIAL-DEPTH MEAN PARAMETER VALUES LISTED BY LAKE-DATE (Continued)

STORET	DATE	ROUND	N/P	TOTALP	ORTHOP	NO2NO3	NH3	KJEL	SECCHI	CHLA	TURB	PH	ALK	DO	TEMP
1727	730807	2	3.77	0.05325	.012750	0.10250	.097500	1.72500	39.0000	33.050	76.5000	8.60000	197.750	7.3750	25.5500
1727	731016	3	1.11	0.27800	.141250	0.16000	.150000	2.15000	22.0000	70.750	74.9250	8.55000	210.500	8.7000	15.8000
1733	730509	1	3.37	0.14450	.043000	0.37750	.095000	1.05000	22.0000	49.050		8.40000	194.000	9.7000	14.5750
1733	730807	2	1.03	0.27125	.093000	0.16000	.120000	2.87500	9.0000	112.050	50.5000	8.70000	280.000	8.0000	24.9750
1733	731016	3	1.33	0.21650	.041500	0.23500	.065000	1.70000	12.0000	66.500	32.0000	8.80000	208.000	9.6000	15.7000
1735	730506	1	2.03	0.08046	.006542	0.06208	.086667	0.72083	28.5000	25.575		7.97500	40.125	8.7000	17.7083
1735	730804	2	5.26	0.06537	.018875	0.16667	.105417	1.42917	33.5000	29.425	47.8333	7.45417	73.000	5.6125	26.2375
1735	731019	3	4.67	0.06771	.017417	0.23917	.050000	1.01667	23.5000	15.600	71.7250	7.60833	74.958	8.4250	18.1833
1739	730508	1	65.08	0.10950	.063444	5.84722	.077222	0.57222	35.6667	20.550		8.24444	163.722	9.6583	15.4111
1739	730809	2	181.48	0.03475	.009125	3.15222	.077778	0.93611	61.3333	18.083	97.8889	8.11250	152.292	6.7056	26.9458
1739	731018	3	37.26	0.06389	.023056	1.86722	.044722	0.68889	19.0000	12.850	51.9167	7.77222	175.222	6.4500	19.7083
1740	730507	1	3.59	0.24767	.067278	0.66500	.217222	1.09444	9.3333	6.267		7.54444	58.556	6.7500	16.7944
1740	730810	2	5.31	0.25778	.059778	0.94556	.307222	1.63889	8.0000	5.433	18.9667	7.27222	62.500	4.0778	26.1567
1740	731017	3	8.81	0.10700	.033833	0.79667	.056667	0.71667	16.0000	5.767	40.2778	7.70000	72.000	7.6000	18.9500
1742	730507	1	39.18	0.17287	.094133	6.42600	.137000	0.51667	7.6000	5.240		8.11333	126.367	8.6200	16.6100
1742	730809	2	32.38	0.10703	.051533	3.15833	.088333	0.91333	22.4000	16.440	37.2333	8.09333	130.100	6.2167	27.8933
1742	731018	3	12.06	0.09940	.043650	1.00017	.036333	0.71667	22.0000	17.360	27.4167	8.49667	142.333	8.6200	18.8450
1748	730511	1	81.12	0.09725	.055333	7.55833	.073333	0.53333	25.0000	8.950	32.6667	8.20000	215.000	8.7500	17.3583
1748	730808	2	32.81	0.16100	.031500	4.29667	.103333	1.60000	16.5000	57.500	59.0000	8.11667	222.500	6.2250	24.5667
1748	731017	3	11.05	0.11733	.054667	1.20333	.093333	0.83333	14.0000	27.000	6.0000	8.06667	222.000	5.9000	18.1500
1750	730509	1	9.12	0.26000	.099250	2.09750	.230000	1.07500	6.0000	22.100		8.10000	247.500	8.5500	14.6500
1750	730807	2	1.48	0.60600	.404250	0.41250	.485000	2.65000	18.0000	75.500	28.2500	8.50000	333.500	7.4000	26.2750
1750	731016	3	1.45	0.42325	.133750	0.56750	.037500	1.82500	18.0000	198.000	45.0000	8.72500	240.500	13.5000	14.6250
1751	730512	1	44.43	0.09667	.025000	3.43000	.370000	0.83333	57.0000	14.800	85.6667	8.18333	199.000	9.1000	16.2833
1751	730809	2	43.08	0.05250	.014833	1.59667	.566667	2.05000	30.0000	6.950	76.2500	8.13333	149.500	3.1833	24.9625
1751	731017	3	18.41	0.09217	.038000	1.40167	.286667	1.18333	35.0000	30.000	40.0000	8.10000	160.500	6.8000	17.8500
1752	730512	1	10.64	0.39433	.260000	3.56000	.636667	1.43333	18.0000	21.400	28.6667	7.83333	240.000	7.9000	16.8000
1752	730807	2	2.36	1.03000	.556000	1.72000	.720000	3.70000	6.0000	112.700	4.0000	8.30000	240.000	7.4000	30.5000
1752	731016	3	4.36	0.49900	.362000	1.20000	.980000	3.00000	6.0000	42.400	1.0000	8.10000	171.000		17.5000
1753	730507	1	39.68	0.11475	.029167	4.30917	.093333	0.53333	6.0000	3.250		8.02500	73.833	8.4250	17.6333
1753	730810	2	51.56	0.03942	.006667	1.91833	.045000	0.79167	33.2500	39.000	83.0833	8.37500	97.000	7.2000	29.9500
1753	731018	3	7.12	0.04308	.008167	0.26417	.035417	0.61250	34.5000	15.625	63.7500	8.07917	90.750	7.8500	20.5708
1754	730509	1	53.41	0.18617	.092500	9.74667	.141667	1.03333	7.0000	5.450		8.03333	170.000	9.0500	14.9667
1754	730807	2	19.39	0.20850	.042417	2.55750	.169167	2.37500	20.0000	81.200	24.5833	8.49167	268.167	8.4000	27.0667
1754	731016	3	0.40	0.18250	.027500	0.03750	.032500	1.17500	17.5000	67.000	70.0000	8.60000	217.500	10.3000	16.7500
1755	730509	1	2.507	0.13850	.044250	0.24750	.097500	0.97500	19.000	45.250		8.42500	196.000	9.9500	14.3250
1755	730807	2	1.145	0.32200	.119167	0.17167	.195000	2.91667	9.000	108.850	45.6667	8.66667	238.500	6.7000	25.0667
1755	731016	3							13.500	37.450	26.0000			9.2000	15.6500
1756	730509	1	6.480	0.12800	.086500	0.79000	.035000	1.10000	27.000	33.850		8.05000	195.000	9.5000	14.1000
1756	730807	2	0.939	0.30625	.100250	0.16500	.122500	2.47500	18.000	170.500	24.0000	8.92500	280.500	11.7000	26.5000
1756	731016	3	2.677	0.37000	.106750	0.91000	.072500	1.97500	12.000	44.150	22.5000	8.35000	237.000	9.5000	12.5750
1757	730509	1	2.500	0.04800	.017333	0.06667	.053333	1.03333	60.000	12.100		8.26667	173.667	9.8500	13.9333
1757	730807	2	4.727	0.07333	.028667	0.11333	.233333	1.63333	54.000	28.000	74.0000	8.20000	172.333	4.4000	23.9800
1757	731016	3	0.916	0.08733	.026667	0.02667	.053333	1.43333	36.000	26.800	90.3333	8.60000	166.000	8.6000	16.0000
1758	730509	1	0.399	0.50100	.273500	0.12500	.075000	2.00000	18.000	109.900		8.70000	212.000	9.2000	14.6000
1758	730807	2	0.368	0.88250	.385500	0.17500	.150000	6.25000	8.000	312.000	25.5000	9.35000	293.000	13.5000	25.2000
1758	731016	3	0.075	1.33000	.848000	0.04000	.060000	6.00000	12.000	241.400	8.0000	9.20000	214.000		16.4000
1759	730509	1	5.730	0.02967	.012000	0.09333	.076667	1.03333	120.000	4.500		8.23333	166.667	9.5000	14.0667
1759	730807	2	8.333	0.02400	.012000	0.10000	.100000	1.53333	70.000	7.200	87.0000	8.86667	134.667	8.4000	24.8400
1759	731016	3	3.717	0.03900	.021000	0.02000	.125000	1.25000	109.000	5.600	97.0000	8.50000	138.000	7.6000	15.7500
1761	730511	1	45.697	0.06417	.027167	2.73833	.183333	0.58333	22.000	5.350	63.5000	7.93333	151.500	7.7000	17.5000
1761	730809	2	40.862	0.03667	.008167	1.09000	.406667	1.50000	37.000	10.250	66.9500	8.00000	163.000	5.8333	26.5625
1761	731017	3	18.082	0.09100	.054833	1.26833	.375000	0.96667	42.000	8.300	40.1667	7.68333	140.667	5.8000	18.4000
1762	730511	1	4.267	0.10433	.026833	0.28833	.153333	0.93333	10.000	10.450		7.63333	63.167	7.7000	18.7833
1762	730808	2	3.157	0.11683	.023333	0.13333	.190833	1.75833	21.000	36.600	25.5750	7.50000	63.333	5.3333	27.9417
1762	731019	3	2.240	0.14550	.019000	0.12250	.100000	1.00000	16.000	10.600	37.2500	7.42500	45.250	7.8000	17.3500
1763	730507	1	2.675	0.02958	.003667	0.03917	.038333	0.62500	36.000	6.900		8.45833	115.250	9.6250	18.9500
1763	730810	2	3.192	0.04625	.010750	0.07500	.072500	0.90000	44.000	15.200	65.2083	8.32500	108.750	6.1500	31.5417
1763	731017	3	4.083	0.04475	.006750	0.13500	.047500	0.80000	36.500	11.900	89.7500	8.27500	115.500	7.8000	21.9000
1764	730511	1	7.418	0.14378	.031444	0.92333	.107778	0.77778	12.333	5.233		7.53333	90.667	7.7667	17.8333
1764	730810	2	3.217	0.10239	.016889	0.10444	.216667	1.21667	25.333	15.133	55.2778	7.68889	59.944	5.4500	26.9000

(Continued)

TABLE B-2. PARTIAL-DEPTH MEAN PARAMETER VALUES LISTED BY LAKE-DATE (Continued)

STORET	DATE	ROUND	N/P	TOTALP	ORTHOP	NO2NO3	NH3	KJEL	SECCHI	CHLA	TURB	PH	ALK	DO	TEMP
1764	731010	3	4.283	0.05383	.022167	0.11389	.108333	1.00000	28.000	13.467	77.4444	7.83889	62.944	8.0333	18.7889
1765	730511	1	2.303	0.39500	.335500	0.54500	.365000	1.10000	19.000	10.000		7.55000	66.500	3.8000	18.4500
1765	730808	2	0.214	0.95600	.595000	0.10500	.100000	1.60000	28.000	59.700	32.5000	7.95000	129.500	5.7000	28.7500
1765	731010	3	0.134	0.93000	.633000	0.06500	.060000	1.75000	19.000	24.600	56.5000	8.00000	148.000	9.6000	17.7500
1766	730507	1	41.365	0.11400	.053500	4.39000	.480000	1.65000	19.500	188.550		8.55000	137.000	9.6000	15.9000
1766	730810	2	1.946	0.25575	.025750	0.25250	.180000	4.30000	10.000	258.700	4.7500	9.35000	49.000	8.6000	28.3000
1766	731017	3	14.287	0.09800	.011750	0.45500	.975000	3.35000	22.000	99.500	50.0000	8.90000	88.000	10.8000	17.3500
1805	730510	1	53.091	0.06211	.013778	2.57444	.082222	0.67778	44.000	9.500		8.01111	146.111	9.0833	17.3111
1805	730808	2	20.878	0.08444	.021444	1.18222	.133333	1.16667	25.333	10.000	71.2222	8.08889	111.111	4.3667	25.8778
1805	731010	3	5.076	0.09189	.012667	0.05222	.197778	1.50000	30.667	12.733	61.2222	8.31111	138.111	7.8333	23.3000
1811	730510	1	42.039	0.06400	.007500	2.58333	.066667	0.70000	27.500	44.550	58.3333	8.28333	227.000	9.9500	17.4833
1811	730802	2	12.839	0.10917	.015167	0.67750	.115833	1.61667	27.000	55.750	70.6667	8.39167	172.083	8.4500	25.9333
1811	731015	3	2.067	0.09667	.011750	0.08500	.107500	1.08333	28.000	37.550	63.8333	8.36667	168.333	7.3000	20.2417
1817	730503	1	45.507	0.02300	.002000	0.99000	.056667	0.83333	60.000	5.800	96.3333	8.23333	200.000	9.4000	13.6667
1817	730804	2	8.421	0.01900	.003667	0.10000	.060000	0.80000		11.700	92.3333	8.16667	174.333	5.6500	23.7333
1817	731013	3	3.205	0.02600	.011667	0.03333	.050000	0.90000	72.000	17.100	89.6667	8.33333	166.667	7.9000	19.6667
1827	730503	1	19.487	0.12689	.070667	2.27778	.110000	0.72222	28.333	9.400	73.1111	8.03333	173.889	8.3833	14.5333
1827	730803	2	55.111	0.08367	.009667	2.69889	.084444	1.01111	24.667	19.800	66.8889	8.07778	161.667	6.0000	24.2556
1827	731015	3	25.188	0.10156	.027889	1.46111	.207778	1.04444	26.667	18.133	58.0000	7.94444	199.444	5.7667	19.9889
1828	730510	1	16.693	0.01808	.004733	0.22250	.048333	0.43000	84.800	4.180		7.66167	21.950	8.7633	16.8333
1828	730806	2	6.751	0.03230	.007400	0.09533	.112000	0.59333	60.400	11.120	84.9333	7.61667	32.367	6.7800	26.9067
1828	731010	3	6.777	0.03620	.010200	0.04400	.176000	0.79333	54.400	6.120	77.2667	7.03333	33.467	5.0200	22.2067
1829	730510	1	70.031	0.10011	.017778	5.79667	.055556	0.62222	30.667	39.533	59.1111	8.42222	185.000	10.7500	16.9111
1829	730802	2	61.207	0.08356	.009167	2.66556	.117222	1.97222	26.333	68.367	63.3889	8.79444	121.833	9.8833	26.0000
1829	731015	3	13.964	0.10486	.007222	1.09333	.195556	1.37778	23.333	60.600	64.6944	8.13056	150.667	6.7778	20.1167
1836	730503	1	86.551	0.00733	.003833	0.53333	.046667	0.56667	127.000	3.550	96.1667	8.30000	146.167	9.5750	13.3000
1836	730804	2	15.214	0.01183	.002167	0.09500	.085000	0.78333		7.400	93.3333	8.58333	113.833	8.9500	24.4833
1836	731015	3	17.215	0.01150	.005500	0.07000	.127500	0.97500	144.000	4.650	96.0000	8.17500	122.750	7.6500	17.8750
1837	730502	1	28.798	0.03058	.004667	0.80417	.069167	1.00000	66.000	12.450	91.8333	8.38333	199.500	9.1500	15.2833
1837	730804	2	8.59	.024333	.004667	0.10167	.103333	1.03333		13.450	90.8333	8.25000	179.333	6.6000	23.6667
1837	731015	3	11.32	.020750	.008750	0.07500	.160000	1.42500	72.000	8.600	92.5000	8.15000	173.250	6.3500	17.4250
1839	730429	1	49.45	.092833	.009667	4.45000	.070000	0.91667	27.000	30.950	66.1667	8.40000	226.333	9.6500	14.4333
1839	730802	2	19.93	.074750	.011917	1.21917	.246667	1.65000	29.500	37.950	69.0000	8.45000	134.417	9.5500	23.8333
1839	731010	3	3.24	.079833	.014333	0.04667	.190833	1.12500	33.000	30.350	69.7500	8.37500	138.750	6.6500	21.9167
1840	730504	1	43.33	.035556	.008222	1.40444	.096667	0.75556	54.000	4.800		8.33333	198.000	9.4000	12.8889
1840	730804	2	19.39	.025444	.005556	0.38222	.081111	0.92222		15.033	88.0000	8.37778	181.556	6.9500	23.1667
1840	731013	3	3.19	.034111	.012444	0.04333	.063333	1.06667	56.667	10.800	87.5556	8.38889	165.556	7.4667	19.9333
1841	730503	1	24.58	.030889	.003778	0.80222	.067778	0.91111	80.000	12.633		8.31111	205.778	9.4667	13.2000
1841	730803	2	7.39	.032000	.011375	0.07875	.157500	1.31250	57.000	11.450	77.9000	8.15000	198.500	6.6125	23.1400
1841	731012	3	5.46	.031167	.022167	0.02500	.143333	1.21667	76.333	8.033	93.8333	8.11667	184.667	5.5667	18.4333
1842	730503	1	32.03	.028167	.005833	0.82833	.063333	0.96667	63.000	11.100		8.26667	218.000	9.1000	12.8833
1842	730803	2	6.53	.034167	.010833	0.13500	.086667	1.36667	56.000	11.200	81.3750	8.23333	193.500	6.4333	23.5875
1842	731012	3	2.21	.036583	.015833	0.02583	.055000	1.18333	60.000	13.450	96.1667	8.35000	180.500	8.4167	18.6333
1843	730502	1	12.35	.023958	.002417	0.21958	.074167	0.53750	120.000	5.000	94.8333	8.30000	155.917	9.6333	13.9500
1843	730803	2	9.00	.014250	.003500	0.06250	.065000	0.40000	87.000	5.750	92.3333	8.45000	140.333	8.5250	23.9167
1843	731013	3	4.53	.025250	.010250	0.04000	.072500	0.90000	84.000	5.700	92.5000	8.40000	134.250	7.9000	19.8000
1844	730503	1	41.61	.023333	.003167	0.91667	.058333	0.68333	108.000	5.150	95.5000	8.23333	201.500	9.4250	13.2167
1844	730804	2	9.85	.016500	.004500	0.09167	.071667	0.85000		9.400	93.0000	8.33333	167.500	7.8333	24.1333
1844	731013	3	7.39	.019542	.012708	0.05250	.092917	0.93333	109.000	3.600	91.1667	8.20000	168.000	6.4833	19.4667
1845	730504	1	28.52	.029500	.003833	0.79833	.036667	0.70000	102.000	12.400		8.40000	197.833	10.0500	12.2167
1845	730803	2	9.28	.019333	.008000	0.09667	.081667	0.95000	65.000	10.750	77.3750	8.35000	181.333	7.0000	24.4750
1845	731012	3	2.53	.025667	.017000	0.01833	.045000	0.85000	93.000	7.050	93.3333	8.30000	179.667	6.9000	18.3833
1846	730504	1	141.90	.010500	.002000	1.45500	.035000	0.37500	102.000	6.900		8.32500	188.500	10.3667	11.4500
1846	730806	2	130.00	.010000	.005333	1.22000	.080000	0.53333	56.000	3.500	93.0000	8.26667	182.333	8.4000	23.4000
1846	731011	3	88.16	.012250	.012000	1.03500	.045000	0.52500	132.000	4.200	93.2500	8.30000	162.500	8.1500	16.0000
1847	730504	1	133.87	.007750	.002000	0.99750	.040000	0.30000	132.000	2.700		8.35000	182.500	10.6667	11.4750
1847	730806	2	90.74	.009000	.003333	0.74667	.070000	0.53333	72.000	5.200	95.0000	8.30000	157.667	8.2000	24.2000
1847	731011	3	44.52	.014000	.013000	0.58000	.043333	0.46667	120.000	3.400	95.0000	8.33333	148.000	8.4000	18.1667
1848	730510	1	0.76	.165667	.017167	0.06333	.063333	1.33333	29.000	46.300	68.0000	8.63333	173.833	11.1000	16.3667
1848	730803	2	1.06	.149167	.015167	0.06000	.088333	2.36667	27.000	89.100	58.9167	8.35000	160.333	6.3750	24.5167
1848	731012	3	1.05	.175500	.062750	0.04000	.150000	2.57500	34.500	27.850	90.5000	8.57500	152.000	6.9000	18.9250

(Continued)

TABLE B-2. PARTIAL-DEPTH MEAN PARAMETER VALUES LISTED BY LAKE-DATE (Continued)

STORET	DATE	ROUND	N/P	TOTALP	ORTHOP	NO2NO3	NH3	KJEL	SECCHI	CHLA	TURB	PH	ALK	DO	TEMP
1849	730511	1	17.97	.059333	.022333	1.08667	.060000	0.48000	18.000	1.600		7.60000	76.333	7.9000	16.2333
1849	730811	2	0.32	.868000	.037000	0.15000	.130000	3.60000	6.000	206.700	5.0000	8.00000	141.000	7.4000	30.1000
1849	731019	3	0.31	.702000	.042000	0.13000	.090000	5.40000	8.000	44.500		8.60000	116.000	11.4000	19.0000
1850	730429	1	6.58	.193722	.063444	1.14444	.131667	0.93333	9.000	10.967	18.6667	7.93889	128.056	8.0500	13.9778
1850	730802	2	8.42	.117778	.014333	0.81889	.172222	1.42222	16.667	32.900	45.5556	7.92222	113.889	6.1500	24.5111
1850	731010	3	3.87	.108111	.013111	0.04333	.374444	1.62222	25.333	31.367	56.1111	7.82222	139.000	6.1833	21.8444
1851	730502	1	6.92	.112556	.012722	0.21222	.555556	2.45000	16.500	27.000	53.1667	8.13333	106.333	8.6333	16.3333
1851	730803	2	7.18	.036222	.008000	0.14278	.117778	1.39444	33.333	33.033	81.1667	8.70556	88.889	8.9333	24.1000
1851	731013	3	3.93	.038833	.011500	0.06667	.086111	1.86667	32.000	28.067	68.1111	8.58889	78.944	8.1333	20.0333
1852	730502	1	5.78	.017417	.002417	0.05500	.045000	0.75833	76.000	5.067	87.5000	8.37500	132.583	9.1111	13.8000
1852	730804	2	5.52	.020167	.007167	0.05000	.058333	1.05556	103.667	7.167	86.8333	8.18333	123.222	7.5444	24.4917
1852	731015	3	9.25	.018500	.008167	0.06167	.103333	0.93333	90.000	4.500	95.5000	8.16667	125.667	8.2667	17.5500
1853	730502	1	13.11	.015700	.003578	0.12617	.078389	0.64111	185.333	5.567	93.1000	8.27944	182.989	10.3944	12.7000
1853	730804	2	7.81	.015222	.005778	0.04889	.057778	0.78889	105.333	4.633	86.5833	8.25556	158.667	8.4889	24.8667
1853	731014	3	8.80	.015611	.010000	0.04444	.061111	0.73889	152.000	4.367	96.2222	8.28333	156.667	7.7222	17.6167
1854	730502	1	21.52	.100333	.030000	2.10000	.060000	1.53333	40.000	31.800	75.6667	7.83333	206.000	9.3000	13.7667
1854	730806	2	10.98	.135667	.094000	1.19667	.293333	1.83333	54.000	11.200	85.5000	7.76667	265.333	6.9000	20.5500
1854	731013	3	3.43	.263667	.200000	0.37333	.533333	1.80000	78.000	5.300	95.6667	7.86667	241.333	3.5333	16.6667
1855	730503	1	86.38	.033000	.005500	2.75000	.101667	1.28333	60.000	2.550		7.80000	215.833	7.7750	11.7833
1855	730806	2	34.93	.056000	.019958	1.51125	.273333	1.99583	63.000	21.700	84.2500	7.77917	276.500	3.0000	17.2875
1855	731015	3	4.02	.067750	.029417	0.06167	.209167	1.65000	49.000	11.450	82.7500	7.89167	261.333	4.1000	15.5667
1856	730503	1	2.68	.049667	.014667	0.06667	.066667	1.06667	48.000	33.400		8.36667	235.333	9.6000	12.7000
1856	730806	2	1.87	.114750	.080000	0.07250	.142500	1.15000	50.000	19.400	91.7500	8.10000	274.500	11.6667	21.5000
1856	731015	3	2.71	.105000	.053000	0.07500	.210000	1.05000	48.000	50.6000	88.0000	8.15000	283.000	6.0000	15.9000
1857	730503	1	29.97	.023750	.009417	0.59833	.113750	0.74167	114.000	2.5500		8.13750	158.833	9.2750	12.8667
1857	730804	2	6.93	.036667	.016500	0.08833	.173333	1.13333	53.500	44.7000	81.7500	8.00000	134.667	5.3167	23.9250
1857	731013	3	5.01	.030083	.018250	0.03250	.120000	0.89167	93.000	5.1000	96.5000	8.17500	136.833	6.0500	18.0833
2101	730529	1	17.31	.023143	.007286	0.26714	.051429	0.29524	43.714	1.7571	65.0952	7.58571	38.286	8.8143	18.4714
2101	730821	2	11.64	.010857	.006571	0.07143	.051429	0.35714	62.286	7.0714	86.7143	7.73571	38.500	8.1857	27.3405
2101	731025	3	12.88	.012905	.008023	0.11714	.041190	0.32381	96.857	2.5857	86.2619	7.35000	38.690	6.6071	21.6667
2102	730519	1	29.27	.009878	.003550	0.25103	.033056	0.25778	251.500	2.9333	93.6750	7.89139	58.861	9.1444	17.3647
2102	730818	2	15.20	.013000	.007500	0.12056	.059444	0.41667	125.000	6.4000	95.1667	7.30556	64.056	7.9333	28.3611
2102	731024	3	16.46	.007556	.005056	0.05944	.059444	0.22222	133.500	1.4500	96.2222	7.57778	62.778	7.2750	20.7889
2103	730526	1	6.19	.090417	.031667	0.45667	.078333	0.60833	44.500	17.6250	80.6667	8.69167	95.333	9.9750	21.0750
2103	730820	2	2.73	.047375	.020250	0.06750	.056250	0.71250	63.500	9.2500	73.4583	7.52500	86.625	4.6500	27.5542
2103	731025	3	1.27	.089000	.033917	0.03500	.056250	0.68750	64.000	17.8500	86.6667	7.62500	105.500	4.6250	20.5625
2104	730516	1	8.01	.070980	.028019	0.47059	.077843	0.33725	33.235	6.9625		7.67843	50.686	8.0000	19.6863
2104	730814	2	4.75	.066100	.025633	0.20800	.094667	0.61333	42.000	11.8100	81.3333	7.47500	49.133	7.5233	28.9317
2104	731021	3	5.22	.075727	.035963	0.32093	.049259	0.42593	42.667	9.8444	81.4630	7.64815	48.759	7.9778	20.5204
2105	730519	1	23.70	.039303	.008825	0.71098	.050076	0.44318	54.727	7.5455	83.2727	8.07727	81.265	8.6076	19.0227
2105	730813	2	5.78	.049121	.014333	0.20182	.089697	0.53939	48.636	9.4909	88.5455	8.34545	74.242	6.5045	28.3182
2105	731023	3	6.71	.029950	.006300	0.06933	.086667	0.37333	38.000	7.4778	76.3333	7.75500	87.083	7.3750	25.6389
2402	730421	1	60.29	.008842	.003667	0.46779	.038625	0.33583	87.750	5.2500	73.3958	7.96625	10.000	11.3187	9.7904
2402	730728	2	26.42	.011375	.006250	0.25250	.041250	0.26250	144.000	7.4750	94.6458	6.58750	10.500	8.0750	23.9417
2402	731004	3	19.48	.013167	.006667	0.09000	.121667	0.50000	121.750	5.3250		6.24167	10.000	7.7250	19.0917
2403	730411	1	71.54	.037750	.010000	2.07500	.087500	0.50833	32.000	4.3250		6.65000	24.500	10.4125	10.1417
2403	730721	2	129.60	.015375	.006167	1.92500	.069792	0.54583	150.000	7.7250	90.5878	8.05119	24.792	8.0687	23.4384
2403	731001	3	90.19	.023417	.006208	1.37583	.112917	0.73750	112.500	6.9250	74.7083	7.13750	30.333	7.0625	21.0167
2408	730411	1	40.54	.048667	.006667	1.65556	.054444	0.37778	29.333	4.8000	64.7778	6.65556	37.333	10.3333	10.2778
2408	730721	2	75.82	.018889	.006222	1.36556	.063333	0.54444	78.000	10.9667	92.3333	8.36667	40.333	7.9333	25.9444
2408	731001	3	58.73	.020444	.008778	1.09778	.090556	0.40000	104.000	5.6333	78.8889	7.30556	41.333	5.7889	20.7444
2409	730410	1	11.06	.085000	.040500	0.82500	.120000	0.70000	30.000	2.8000		8.45000	10.000	8.4000	13.4000
2409	730720	2	5.28	.115500	.017500	0.55500	.055000	1.40000	35.000	69.1000		9.45000	13.500	13.7500	26.0000
2409	730928	3	16.88	.098000	.043000	1.56500	.090000	0.90000	72.000	30.2000	89.0000	7.15000	16.500	8.0000	19.6000
2801	730613	1	2.52	.227444	.027222	0.38778	.186667	0.65556	9.333	4.3000	46.8889	7.57778	15.556	4.2167	25.5889
2801	730828	2	2.79	.057722	.008556	0.07278	.089444	1.05000	25.333	4.8667	76.1667	6.76111	25.778	4.2000	28.5389
2801	731101	3	1.88	.204667	.029222	0.26667	.110000	0.75556	10.000	10.3333	16.6667	7.84444	19.333	8.9667	15.1833
2802	730612	1	3.56	.073556	.014778	0.12889	.125556	0.56667	29.333	3.4000	82.0000	7.01111	15.333	6.0167	27.2778
2802	730927	2	4.60	.025333	.005444	0.05278	.063889	0.73333	53.000	6.2667	86.6111	6.62778	16.389	7.0333	29.5389
2802	731101	3	3.55	.074778	.013778	0.13778	.092222	0.47778	22.667	10.0667	51.2222	7.61111	14.333	8.2667	17.0667
2804	730615	1	4.54	.072750	.013250	0.12750	.198333	0.82500	29.250	5.9000	82.1667	6.85000	13.250	4.8250	27.8667

(Continued)

TABLE B-2. PARTIAL-DEPTH MEAN PARAMETER VALUES LISTED BY LAKE-DATE (Continued)

STORET	DATE	ROUND	N/P	TOTALP	ORTHOP	NO2NO3	NH3	KJEL	SECCHI	CHLA	TURB	PH	ALK	DO	TEMP
2804	730827	2	4.17	.032000	.0062500	0.05580	.074167	1.02500	43.500	13.2000	80.5833	7.26667	17.833	5.7375	28.4750
2804	731102	3	2.07	.040833	.0081667	0.04083	.042500	0.60000	38.500	10.8750	85.2500	7.09167	16.917	8.3500	18.2500
2805	730613	1	4.19	.061667	.0135833	0.15250	.100000	0.45000	18.000	9.4000	77.6667	7.88333	15.250	6.3500	25.9417
2805	730827	2	4.71	.016250	.0082500	0.03625	.041250	0.55000	86.250	4.9250	92.4583	6.55000	18.250	4.9250	29.2375
2805	731101	3	6.13	.026083	.0083333	0.03750	.103333	0.32500	52.500	4.9500	87.5000	7.95000	23.583	7.3750	18.5417
2806	730614	1	5.72	.086000	.0108889	0.26000	.232222	0.60000	12.000	6.8667	68.2222	7.02222	10.111	6.3333	26.1000
2806	730828	2	4.77	.035222	.0064444	0.08556	.082222	0.71111	36.667	3.6333	83.5556	6.67778	21.333	5.7000	27.9111
2806	731102	3	3.34	.046333	.0111111	0.09111	.060000	0.42222	21.000	7.5667	70.0000	7.32222	16.778	8.3333	17.7111
3402	730417	1	4.50	.045500	.0060000	0.14500	.060000	0.50000	36.000	33.4000	89.0000	7.85000	19.000	11.8000	11.9500
3402	730723	2	3.04	.082000	.0120000	0.12500	.125000	1.65000	24.000	57.5000	35.0000	7.90000	29.500	7.6000	25.1500
3402	731001	3	1.13	.106000	.0140000	0.05500	.065000	1.70000	18.000	54.6000		8.60000	21.500	10.8000	18.8000
3403	730416	1	6.40	.017708	.0065417	0.06167	.050833	0.43750	72.000	14.0000	61.6111	7.82083	16.833	12.2500	9.3042
3403	730723	2	3.438	.032500	.0086667	0.05167	.068333	0.67500	92.000	14.2000	89.1667	7.03333	18.667	7.2667	25.6250
3403	731001	3	2.305	.025778	.0072222	0.02111	.036667	0.66667	88.667	6.8667	95.3333	6.73333	13.222	8.5667	19.6222
3406	730416	1	24.542	.045500	.0080000	1.05000	.066667	0.48333	36.000	27.6500	43.0000	7.73333	65.833	11.3250	10.6667
3406	730722	2	15.897	.059833	.0110000	0.77333	.168333	1.05000	41.000	12.3500	80.6667	7.98333	78.667	5.4500	24.8500
3406	731001	3	9.738	.066333	.0082500	0.55167	.084167	1.23333	35.500	26.8000		7.85000	83.667	8.9000	19.9167
3409	730416	1	3.904	.046500	.0162500	0.12000	.062500	0.62500	36.000	12.3000	31.5000	7.65000	22.000	11.8500	13.0750
3409	730723	2	2.786	.100500	.0155000	0.14000	.140000	0.90000	36.000	38.1000	79.5000	7.80000	26.500	6.2000	25.0500
3409	731002	3	1.141	.126000	.0107500	0.04750	.060000	1.47500	33.000	66.0500		8.27500	44.000	8.0000	18.7750
3410	730417	1	10.415	.054417	.0310000	0.49083	.070833	0.36667	52.500	8.7500	97.5000	7.27500	36.167	10.5250	12.6750
3410	730722	2	7.292	.121250	.0360000	0.66500	.236667	0.75000	22.000	9.3500	67.5000	7.11667	50.000	5.8500	21.5417
3410	731002	3	10.947	.084000	.0108333	0.81833	.073333	0.50000	36.000	51.0000		8.78333	74.167	12.7000	18.4667
3412	730416	1	31.685	.044500	.0060000	1.10000	.310000	0.60000	40.000	1.5000	91.0000	5.25000	10.000	11.0000	13.5000
3412	730722	2	8.268	.179000	.0265000	0.97500	.505000	1.20000	24.000	8.6000	56.5000	5.45000	10.000	6.5000	22.9000
3412	731002	3	18.658	.082000	.0100000	1.22000	.310000	0.60000	36.000	10.3000		5.60000	10.000	7.8000	20.5000
3413	730416	1	24.401	.039833	.0096667	0.83500	.083333	0.43333	36.000	1.9000	86.3333	6.60000	10.000	10.0250	12.0333
3413	730722	2	8.341	.091167	.0136667	0.56750	.193333	1.23333	35.000	9.5500	69.2917	6.18333	10.500	4.3083	23.7125
3413	731002	3	13.151	.054833	.0116667	0.56000	.160000	1.06667	43.000	13.4000		6.36667	15.667	6.3500	20.2000
3415	730417	1	7.480	.017367	.0063333	0.08633	.035667	0.39667	69.600	22.8000	75.5000	7.79333	16.300	12.0250	10.4667
3415	730723	2	5.197	.025200	.0078667	0.05133	.076667	0.57000	90.800	10.0400	93.5100	6.93667	23.233	6.5733	25.0047
3415	731003	3	2.628	.026500	.0075667	0.02300	.041333	0.58000	90.600	8.0400		6.77667	28.667	7.9300	19.0000
3417	730417	1	7.407	.027000	.0120000	0.15000	.050000	0.60000	60.000	9.4000		7.90000	28.000	10.8000	13.5000
3417	730723	2	1.728	.081000	.0220000	0.05500	.085000	1.00000	72.000	20.1000	91.0000	8.05000	33.500	9.8000	26.9500
3417	731001	3	3.214	.028000	.0060000	0.03000	.060000	0.80000	60.000	3.7000		6.90000	13.000	9.0000	19.3000
3419	730417	1	9.059	.117750	.0775000	0.94750	.090000	0.30000	38.000	3.9500	56.0000	7.85000	94.750	10.1500	13.4000
3419	730722	2	6.338	.127500	.0707500	0.68500	.132500	0.87500	27.000	4.4000	79.5000	7.37500	92.000	7.0000	21.6750
3419	731002	3	2.982	.202750	.0812500	0.50750	.067500	0.90000	53.500	12.7000		8.32500	116.250	10.8000	17.2250
3420	730418	1	29.204	.016667	.0060000	0.45500	.025000	0.25000	60.000	19.3000	79.6667	8.18333	26.667	12.3750	11.1333
3420	730722	2	12.834	.024500	.0075000	0.25250	.060000	1.10000	83.000	17.0000	87.1250	7.70000	31.750	7.3750	25.1250
3420	731002	3	4.299	.025667	.0085000	0.04333	.066667	0.80000	71.000	9.7000		7.20000	32.667	8.1500	19.9500
3422	730416	1	47.907	.029500	.0165000	1.28333	.130000	0.40000	38.500	2.7500	96.8333	6.78333	10.000	10.0500	11.6500
3422	730720	2	15.811	.064583	.0188333	0.85417	.168333	0.92500	33.500	39.2000		7.20833	10.000	6.8000	25.5250
3422	730928	3	13.554	.070333	.0243333	0.87333	.080000	0.96667	40.000	26.5000		7.83333	11.667	9.0000	20.3667
3423	730417	1	9.124	.014000	.0046667	0.09389	.033333	0.33333	93.333	8.9667	99.7778	7.46111	11.611	12.0833	9.1667
3423	730722	2	5.249	.013667	.0075556	0.03222	.035556	0.31111	184.000	8.2000	92.6889	7.12222	13.000	8.9333	24.8556
3423	731001	3	4.613	.014111	.0056667	0.02556	.038889	0.41111	156.667	4.1667	89.9444	6.67778	13.889	8.0000	20.1389
3701	730324	1	7.265	.102667	.0242500	0.53333	.189167	0.41667	10.000	4.5000	58.4167	7.45000	12.333	9.4500	13.3417
3701	730711	2	9.054	.038000	.0058333	0.22583	.115000	0.49167	38.500	6.1000	54.6667	7.79167	22.417	5.0000	27.8250
3701	730919	3	14.080	.022583	.0094167	0.20917	.075833	0.65000	51.250	10.4250	87.7500	6.62500	21.250	4.6000	26.0667
3702	730323	1	7.138	.098222	.0387778	0.53611	.164444	0.68333	10.000	2.4667	73.1111	7.23889	17.222	10.0667	11.9889
3702	730705	2	8.713	.066389	.0133333	0.45556	.122222	0.50000	15.333	4.0000	44.0000	7.34444	21.944	5.4833	26.4222
3702	730919	3	8.957	.066111	.0501111	0.28556	.061111	0.25556	44.000	6.0333	83.6667	6.83333	28.556	6.1333	26.2111
3704	730602	1	23.497	.032361	.0052500	0.28444	.191111	0.40556	56.667	2.9000	74.6667	7.20952	10.389	8.6357	20.3190
3704	730821	2	55.242	.011952	.0069048	0.23429	.277619	0.67143	114.000	4.6143	94.0357	6.71548	11.619	6.4524	26.2679
3704	731026	3	84.775	.009810	.0083810	0.54667	.207619	0.39048	144.143	2.8000	90.2857	6.40952	10.238	5.3143	20.6667
3705	730330	1	6.272	.059917	.0136667	0.26167	.110833	0.23333	21.000	3.2750	61.0000	7.56667	10.000	9.1750	12.2583
3705	730707	2	7.288	.033667	.0055833	0.10750	.120833	0.46667	45.000	6.3000	87.0000	7.45000	11.917	6.7000	26.6083
3705	730924	3	5.785	.031958	.0075000	0.05083	.101250	0.61667	51.000	12.2500	93.1250	7.11667	16.208	6.8792	24.5875
3706	730324	1	4.749	.132708	.0235833	0.47125	.155833	0.42083	10.000	3.8000	40.0417	7.28750	10.333	9.3000	11.1833
3706	730712	2	6.658	.067750	.0145000	0.24500	.184167	0.72500	28.667	15.7000	44.9167	7.54167	20.917	7.0000	28.0417

(Continued)

TABLE B-2. PARTIAL-DEPTH MEAN PARAMETER VALUES LISTED BY LAKE-DATE (Continued)

STORET	DATE	ROUND	N/P	TOTALP	ORTHOP	NO2NO3	NH3	KJEL	SECCHI	CHLA	TURB	PH	ALK	DO	TEMP
3706	730919	3	4.040	.061083	.0136667	0.16000	.068333	0.67083	30.500	23.3500	64.8333	6.75833	22.500	6.6625	24.3792
3707	730602	1	8.511	.024778	.0072778	0.11778	.074444	0.27778	48.000	5.450	82.5556	7.62778	10.222	9.0250	19.8167
3707	730823	2	13.938	.011889	.0072222	0.09278	.073333	0.40000	71.833	7.400	91.4444	7.62222	10.111	7.9583	25.9611
3707	731026	3	14.930	.011597	.0075694	0.07736	.070417	0.26528	118.500	4.183	95.7639	6.79722	10.333	7.1333	19.7292
3708	730327	1	4.925	.042133	.0114667	0.15600	.044000	0.31333	43.200	6.160	77.2000	7.80000	14.400	10.4900	11.7133
3708	730706	2	7.311	.017083	.0041833	0.05167	.064333	0.46333	75.200	9.840	92.2500	8.48667	12.967	9.0150	27.3817
3708	730924	3	3.757	.020767	.0079000	0.02600	.044000	0.40333	95.000	6.960	84.8333	6.99000	13.567	6.6400	25.8100
3709	730324	1	19.435	.041333	.0080000	0.68667	.116667	0.26667	24.000	0.500	79.6667	7.53333	11.667	10.0000	9.3667
3709	730705	2	22.238	.022333	.0093333	0.34667	.150000	0.33333	42.000	2.000	91.6667	7.06667	16.000	6.2500	22.4667
3709	730920	3	10.701	.028500	.0140000	0.12500	.180000	0.85000	48.000	19.200	90.5000	6.35000	19.500	1.9000	20.9000
3710	730330	1	6.213	.063833	.0133333	0.26667	.130000	0.38333	18.000	1.600	53.3333	7.48333	10.000	8.8500	12.2667
3710	730707	2	15.121	.022333	.0063333	0.18833	.145000	0.26667	50.000	2.800	87.3333	6.68333	16.167	5.5500	24.2833
3710	730924	3	10.939	.025000	.0080000	0.13250	.140000	0.77500	54.500	8.200	91.7500	6.90000	18.000	5.7000	24.0750
3711	730402	1	9.271	.042444	.0074444	0.27778	.075556	0.25556	21.667	5.100	65.1111	7.07778	11.556	9.7333	13.0667
3711	730711	2	16.236	.016867	.0033556	0.17111	.100889	0.28222	43.667	4.700	68.9333	6.66667	17.378	6.3889	26.8267
3711	730919	3	5.203	.013000	.0088333	0.03333	.033333	0.43333	43.333	7.167	81.6667	6.68333	14.333	6.5000	27.2000
3713	730329	1	8.205	.046333	.0078000	0.27800	.080000	0.30667	21.000	6.840		7.14667	10.000	9.7300	13.4400
3713	730711	2	18.157	.014900	.0036000	0.15633	.097000	0.46333	76.800	3.600	91.2400	7.29333	19.267	6.5900	28.9050
3713	730919	3	15.241	.010800	.0068333	0.09100	.054667	0.57667	62.200	6.980	87.9667	6.60000	15.600	6.0400	26.6933
3715	730330	1	4.330	.075722	.0258333	0.24111	.080556	0.27222	29.333	3.300	63.9444	7.65556	10.000	9.7167	11.1778
3715	730706	2	5.048	.050667	.0132222	0.16333	.095000	0.52778	32.000	2.300	71.2222	7.80556	17.444	8.5833	24.2611
3715	730924	3	2.924	.053556	.0218889	0.07444	.082222	0.51111	52.333	5.133	81.3333	7.28889	14.333	6.7667	23.4778
3716	730603	1	9.904	.016567	.0043667	0.08417	.074667	0.28333	168.000	4.920	94.8000	6.83000	10.117	9.2200	20.2367
3716	730822	2	14.215	.011000	.0062833	0.08017	.068667	0.38500	117.600	5.900	98.3333	7.01333	10.000	6.9200	24.9933
3716	731026	3	7.566	.011183	.0113000	0.03833	.045500	0.22667	115.200	5.240	85.7167	6.79333	10.000	6.7267	19.5333
3717	730322	1	7.642	.087667	.0246667	0.48667	.182667	0.42000	17.200	2.980	31.4167	7.27333	17.400	10.6400	13.1467
3717	730707	2	10.443	.035600	.0061333	0.30933	.064667	0.46000	31.200	6.920	78.1333	7.24000	36.133	5.8400	27.6067
3717	730921	3	16.449	.017533	.0076000	0.21600	.067333	0.66000	45.800	10.580	87.3333	6.61000	17.467	5.3400	26.0733
3718	730324	1	6.758	.115000	.0421667	0.63833	.133333	0.38333	27.000	0.300	73.6667	7.50000	12.000	9.9500	10.6167
3718	730705	2	7.254	.100667	.0533333	0.58667	.125000	0.46667	32.000	9.250	79.0000	7.80000	33.333	6.8750	25.4667
3718	730920	3	18.151	.077250	.0452500	0.54500	.832500	2.07500	36.000	1.900	85.2500	6.80000	63.500	1.5500	21.5500
3719	730322	1	3.832	.041250	.0037500	0.05500	.067500	0.45000	40.000	5.250	79.5000	6.97500	10.000	9.0000	14.0500
3719	730705	2	8.086	.016250	.0040000	0.05250	.077500	0.62500	42.000	2.450	89.2500	7.17500	11.250	6.7000	29.8000
3719	730920	3	5.039	.016000	.0110000	0.02750	.052500	0.87500	51.000	3.050	86.7500	6.92500	11.500	6.5500	26.0000
3901	730420	1	32.471	.089000	.0130000	2.75000	.140000	0.60000	12.000	4.300	15.0000	8.20000	38.000	7.5000	15.6000
3901	730730	2	7.081	.281000	.0330000	1.61000	.380000	1.30000	8.000	19.400	9.0000	7.40000	102.000	3.4000	24.2000
3901	731006	3	10.151	.132000	.0135000	0.96000	.380000	1.45000	13.000	8.900		7.10000	75.000	5.0000	17.6000
3902	730426	1	1.577	.173000	.0263333	0.22333	.060000	2.55000	6.667	247.067	26.3333	9.05000	63.333	9.8333	15.1500
3902	730730	2	4.273	.166556	.0151111	0.53722	.191111	2.27778	12.000	141.167	22.7222	8.60000	75.889	7.2111	25.5556
3902	731008	3	1.720	.274833	.0335000	0.20500	.273333	3.45000	11.333	171.467		8.81667	79.167	6.6667	20.6167
3905	730420	1	15.554	.055000	.0070556	0.78167	.062778	0.87778	24.000	63.500	31.5556	8.53333	132.556	11.3333	13.7000
3905	730727	2	2.952	.187667	.0153333	0.31500	.244167	1.66667	13.000	72.300	18.1000	8.05833	129.417	5.0000	25.1367
3905	731006	3	0.819	.138833	.0135000	0.04000	.066667	1.61667	15.333	65.633		8.16667	140.667	8.1333	19.1667
3906	730428	1	29.045	.176722	.0449444	3.86667	.094444	0.82222	12.667	13.433	13.2222	8.13333	187.278	9.5000	12.6778
3906	730801	2	65.419	.042500	.0080000	2.69500	.085000	0.60000	42.000	8.950	71.5833	8.47500	180.250	8.3250	26.2583
3906	731010	3	14.971	.070333	.0221667	0.91000	.080000	0.98333	39.000	8.967	86.3333	8.35000	196.833	7.8667	21.1833
3907	730426	1	20.680	.110667	.0375556	2.06667	.055556	0.88889	16.000	13.767	35.0000	8.13333	169.889	9.9500	14.6556
3907	730801	2	33.609	.105167	.0430556	3.02111	.140556	1.13889	13.667	8.700	46.6667	8.02222	153.944	5.8500	24.8056
3907	731010	3	11.513	.091000	.0216667	0.96333	.080000	1.23333	18.000	10.100	36.5556	8.16667	149.167	6.9333	19.6944
3908	730426	1	11.759	.144111	.0328889	1.46667	.207778	1.04444	17.333	16.467	52.3333	8.08889	134.000	9.2000	14.5778
3908	730730	2	7.963	.189250	.0520000	1.20250	.195000	1.57500	18.000	37.300	33.7500	7.92500	114.500	5.5250	24.8750
3908	731008	3	9.22	.218000	.050444	1.22667	.568889	2.85556	20.667	31.733		7.9333	142.889	5.8333	20.7556
3912	730801	2	6.35	.184250	.030500	0.62000	.377500	1.35000	16.000	45.950	14.000	7.4750	62.250	4.2500	25.5250
3912	731009	3	1.55	.202167	.023500	0.09667	.211667	1.58333	12.000	73.650	17.167	8.0000	54.000	6.0000	20.8167
3914	730426	1	33.16	.053667	.006167	1.58333	.058333	0.69167	30.750	17.625		8.0500	94.167	10.3875	12.9500
3914	730801	2	48.16	.038042	.006625	1.61167	.068750	0.87083	32.750	8.550	77.125	8.0208	87.292	5.7750	24.9125
3914	731010	3	35.11	.041750	.013000	0.92000	.112500	0.88750	48.250	12.875	86.500	7.8625	97.875	7.0250	20.1750
3915	730504	1	15.53	.055667	.005167	0.79333	.075000	0.98333	15.333	53.833	41.000	8.6500	154.333	10.9000	12.1333
3915	730802	2	3.03	.127667	.014833	0.24500	.136667	2.61667	17.000	105.333	13.667	8.7167	127.667	8.4667	23.8000
3915	731011	3	1.33	.138833	.038500	0.07167	.111667	2.10000	12.000	71.400	27.500	8.5500	114.667	5.7000	19.4333
3917	730504	1	11.27	.185000	.016500	2.02250	.055000	1.75000	5.000	149.950	7.500	8.6000	154.500	9.1000	12.3000

(Continued)

TABLE B-2. PARTIAL-DEPTH MEAN PARAMETER VALUES LISTED BY LAKE-DATE (Continued)

STORET	DATE	ROUND	N/P	TOTALP	ORTHOP	NO2NO3	NH3	KJEL	SECCHI	CHLA	TURB	PH	ALK	DO	TEMP
3917	730801	2	6.72	.204500	.016000	1.20000	.175000	2.25000	6.000	103.450	12.500	8.3500	130.000	7.2000	24.4500
3917	731011	3	8.71	.168000	.028500	0.05000	.070000	1.60000	7.000	58.900	11.250	8.4500	138.000	7.5000	19.7750
3921	730421	1	4.63	.031000	.005750	0.07750	.060833	0.84167	37.500	29.000	77.583	7.9000	34.500	9.6500	12.8333
3921	730730	2	2.82	.073333	.007083	0.07333	.066667	1.20000	28.000	51.150	64.917	7.7500	50.417	7.3750	24.1917
3921	731009	3	2.69	.086250	.007250	0.04250	.187500	1.42500	38.500	28.650	76.750	7.5000	44.500	6.8500	17.5500
3924	730420	1	35.15	.024500	.006500	0.81167	.023333	0.31667	45.000	37.000	67.667	8.6333	104.833	12.7500	11.8833
3924	730730	2	6.07	.054083	.012000	0.17167	.139167	0.81667	41.000	17.300	88.500	8.0500	132.917	8.5917	24.1000
3924	731006	3	7.05	.042750	.011000	0.15250	.145000	0.60000	43.500	14.250		8.0000	147.500	6.9000	19.8000
3927	730504	1	1.84	.213500	.013125	0.10875	.105000	2.61250	4.500	108.925	6.063	7.9375	104.750	8.9500	12.2500
3927	730801	2	1.96	.127500	.013250	0.14500	.107500	2.10000	17.500	82.100	49.500	8.8500	92.250	7.5500	23.8000
3927	731011	3	1.87	.193750	.032250	0.05250	.082500	1.37500	25.500	54.425	53.750	9.0500	88.250	9.4000	20.2000
3928	730420	1	46.72	.024917	.004667	0.88792	.051667	0.37917	41.500	8.575	49.722	8.3958	39.875	10.7000	12.6333
3928	730730	2	4.91	.045750	.006458	0.07917	.095000	0.65000	31.500	24.575	67.833	8.3875	48.708	8.6375	26.0042
3928	731008	3	3.44	.053250	.005875	0.08875	.066250	0.75000	41.000	16.175	82.750	7.9625	56.125	7.2750	19.1500
3929	730424	1	21.38	.067679	.020131	0.88167	.081190	0.78452	36.000	16.264	88.095	7.9250	63.524	9.4643	14.3095
3929	730730	2	10.25	.058667	.007833	0.32667	.170833	0.88333	32.500	11.500	65.750	7.8333	87.250	5.6375	24.4583
3929	731008	3	6.03	.062400	.007600	0.25300	.093000	1.04000	32.200	16.540	81.000	7.8500	91.700	6.9600	19.1500
3931	730426	1	15.42	.219222	.172111	3.16667	.108889	0.98889	15.333	6.133	32.111	7.8556	192.111	9.1000	14.3000
3931	730802	2	16.68	.248222	.175444	3.83778	.133889	1.43333	17.333	3.367	25.333	7.6833	171.333	4.9667	23.8083
3931	731010	3	5.56	.397667	.254167	1.60333	.128333	1.26667	29.333	7.067	61.000	7.6833	172.833	3.5333	18.9833
3932	730428	1	10.36	.115278	.017778	0.81167	.090000	0.73889	20.000	54.067	44.944	8.3778	151.056	10.1833	12.1833
3932	730801	2	3.57	.079556	.008667	0.14278	.117222	0.72778	29.333	42.367	43.417	8.3000	149.111	4.7000	25.6917
3932	731009	3	3.02	.072333	.011667	0.03556	.155556	1.04444	31.667	17.633	68.444	8.3444	150.556	7.1333	21.7222
3933	730428	1	35.16	.142917	.011667	3.90000	.057500	1.03333	16.000	50.650	21.083	8.1750	173.833	12.1500	12.4167
3933	730801	2	39.29	.060750	.008167	2.18583	.200833	1.10000	29.000	27.450	52.125	8.3083	155.833	6.3167	24.8500
3933	731009	3	6.22	.064417	.015250	0.15750	.243333	1.37500	30.000	40.600	64.750	8.3417	141.333	4.4500	21.2917
3934	730421	1	16.12	.021778	.006222	0.28167	.067222	0.61111	36.667	25.533	60.167	8.6444	83.611	11.4500	12.9056
3934	730730	2	2.48	.065889	.010556	0.06444	.072222	1.02222	29.333	53.200	64.500	8.3944	75.611	6.7000	25.1778
3934	731006	3	3.91	.069667	.010167	0.03000	.213333	1.15000	35.667	34.400	77.500	7.7333	68.500	6.4667	19.5833
4201	730413	1	20.15	.068611	.064500	1.33333	.047778	0.24444	30.667	2.900		7.6778	84.611	11.4500	8.4500
4201	730724	2	14.04	.052889	.012167	0.60500	.106667	0.94444	61.000	10.333	83.083	8.6556	94.556	9.8000	25.8167
4201	731002	3	13.36	.177000	.090750	1.26250	.155000	1.00000	57.000	40.900	78.500	7.6750	141.500	7.8000	17.5750
4204	730421	1	12.68	.019167	.006833	0.20667	.035000	0.48333	105.000	4.050	93.833	7.9500	59.333	11.3750	10.9000
4204	730727	2	3.77	.021750	.006917	0.03667	.045000	0.50833	102.000	7.450	85.167	8.0750	73.417	7.7750	24.8000
4204	731005	3	6.31	.021000	.009250	0.03000	.102500	0.82500	87.000	11.200	94.750	7.3500	65.500	7.4000	17.9000
4207	730417	1	25.00	.070333	.012889	1.63333	.050000	0.68889	38.000	44.167	51.444	8.4556	31.778	12.3833	11.1111
4207	730724	2	10.42	.071889	.018778	0.61889	.117778	0.97778	26.667	11.633	81.222	8.5667	42.222	4.8833	24.3667
4207	731003	3	8.81	.067889	.019778	0.27000	.243333	1.15556	54.667	16.233		7.4667	63.889	5.5667	20.9667
4213	730421	1	9.55	.048125	.007875	0.24750	.064167	0.99583	49.500	28.025	80.792	8.3167	34.542	10.3167	14.1458
4213	730731	2	2.18	.091958	.008583	0.09458	.095833	1.31667	20.250	76.575	71.646	8.2750	41.042	8.0750	24.4417
4213	731006	3	0.95	.149375	.012458	0.04583	.083750	2.23750	27.000	70.400		8.4375	37.250	9.5250	18.4417
4216	730420	1	14.59	.038333	.007667	0.44333	.041111	0.47778	36.000	12.167	83.778	9.7111	36.333	12.7278	13.0100
4216	730731	2	2.72	.061778	.008667	0.05444	.099444	0.91111	32.000	45.033	76.056	7.1111	60.667	6.3833	24.9944
4216	731008	3	3.78	.079333	.008333	0.17500	.085000	1.06667	41.333	23.200	87.333	7.6333	61.833	7.5000	18.1500
4219	730423	1	137.02	.007708	.005708	0.99083	.065833	0.27083	132.000	2.350	88.667	6.9500	13.625	10.9333	12.7833
4219	730728	2	62.71	.012000	.0075000	0.65750	.065000	0.32500	105.000	9.8500	95.125	7.2250	17.5000	7.8000	26.5375
4219	731005	3	51.70	.011000	.0085833	0.48833	.075833	0.31667	108.500	3.3500		7.0333	18.8333	8.3500	21.1167
4220	730417	1	90.69	.010167	.0047778	0.88528	.032778	0.22500	128.000	4.5333	77.194	7.4417	10.0833	11.6389	9.6722
4220	730724	2	48.30	.012000	.0052222	0.49444	.084444	0.27778	116.000	6.7667	90.667	7.0000	10.0000	7.6333	24.1333
4220	731004	3	57.57	.009833	.0053333	0.49667	.068333	0.43333	168.667	3.2667	100.000	6.4167	12.8333	7.2667	18.9667
4221	730727	2	6.58	.020500	.0050000	0.07000	.065000	0.55000	72.000	23.3000	86.000	8.3500	43.5000	8.0000	25.0000
4221	731005	3	2.50	.026000	.0085000	0.02500	.040000	0.80000	72.000	12.4000	94.000	7.4500	38.0000	8.6000	17.5000
4222	730412	1	9.95	.017417	.0065833	0.12583	.047500	0.29583	120.000	5.4500		8.5458	17.9167	11.9833	6.8000
4222	730723	2	15.74	.009000	.0049000	0.07000	.071000	0.30000	222.000	7.3500	88.000	7.0800	24.8000	8.5625	20.1400
4222	731002	3	6.04	.020292	.0083750	0.05750	.064583	0.29583	144.000	5.1000	81.625	6.6708	19.8750	6.6750	16.7083
4223	730423	1	119.72	.005222	.0042222	0.51000	.086667	0.23333	102.000	0.8333	88.694	6.8778	11.2222	10.4889	11.5583
4223	730725	2	37.65	.010250	.0050000	0.31833	.065278	0.48333	114.000	7.4333	88.611	6.3083	10.0000	8.0667	22.3556
4223	731004	3	30.46	.009500	.0060000	0.15833	.118333	0.61667	81.333	7.3667	93.833	6.3333	10.0000	7.8167	17.5500
4224	730417	1	12.27	.011000	.0060000	0.10000	.035000	0.25000	60.000	1.8000	80.000	7.5500	10.0000	10.6000	10.9000
4224	730723	2	9.58	.020000	.0050000	0.09000	.100000	0.50000	50.000	10.5000	82.000	5.5000	10.0000	7.0000	22.7000
4224	731003	3	4.78	.017000	.0040000	0.03000	.050000	0.40000	60.000	4.3000	87.000	6.0000	10.0000	8.2000	17.1000

(Continued)

TABLE B-2. PARTIAL-DEPTH MEAN PARAMETER VALUES LISTED BY LAKE-DATE (Continued)

STORET	DATE	ROUND	N/P	TOTALP	ORTHOP	NO2NO3	NH3	KJEL	SECCHI	CHLA	TURB	PH	ALK	DO	TEMP
4225	730413	1	112.01	.027667	.0151667	2.98333	.050000	0.31667	14.000	2.8500		7.6667	38.6333	11.0000	9.1000
4225	730724	2	54.34	.042167	.0103333	2.10000	.186667	0.78000	34.000	11.2500	78.500	8.6000	69.3333	7.2750	24.7833
4225	731003	3	38.97	.048167	.0113333	1.67667	.100000	0.75000	40.000	21.2500		8.5667	78.0000	8.8000	19.6833
4226	730413	1	10.00	.023667	.0080000	0.19000	.046667	0.40000	24.000	12.0000		7.7583	28.2500	10.8500	10.3917
4226	730724	2	4.70	.033000	.0080000	0.06750	.087500	0.82500	57.000	14.1000	84.667	7.6500	48.7500	5.9500	26.5667
4226	731002	3	6.56	.053250	.0135000	0.05250	.297500	1.27500	60.000	15.7500	79.750	6.8000	51.5000	5.0000	19.5000
4227	730417	1	5.97	.014833	.0082500	0.05333	.035833	0.35833	81.000	2.9500	85.000	7.1333	10.0000	11.2500	9.6917
4227	730723	2	6.74	.028167	.0071667	0.09583	.094167	0.41667	57.000	6.9000	81.667	5.6750	10.0000	5.4000	21.2333
4227	731003	3	5.00	.040000	.0065000	0.09000	.110000	1.00000	30.000	5.2000	73.000	5.8500	10.0000	8.1000	15.4500
4228	730417	1	12.00	.015000	.0070000	0.14000	.040000	0.50000	60.000	42.2000		7.8000	10.0000	10.7000	10.0000
4228	730723	2	11.25	.016000	.0040000	0.07000	.110000	0.50000	60.000	5.8000	84.000	5.2000	10.0000	7.1000	22.9000
4228	731003	3	5.33	.015000	.0040000	0.03000	.050000	0.60000	33.000	6.7000	86.000	6.1000	10.0000	8.8000	17.1000
4229	730412	1	19.79	.013583	.0073333	0.23500	.031667	0.26667	58.500	7.1750		8.7500	12.3333	11.6250	7.1917
4229	730723	2	8.79	.012958	.0060000	0.05500	.057083	0.33333	171.000	8.8500	86.833	6.7000	17.0417	8.0875	24.2292
4229	731003	3	4.99	.020750	.0060417	0.02708	.075833	0.76250	86.750	12.8250	93.167	6.6583	18.2083	8.0833	17.8208
4503	730402	1	3.38	.167111	.0293333	0.31889	.233333	0.62222	2.000	2.4333		7.2111	10.5556	7.8667	15.3333
4503	730707	2	4.30	.125333	.0568889	0.35667	.171111	0.47778	20.000	3.0667	64.111	7.0111	19.1111	6.5167	28.1556
4503	730922	3	2.83	.115278	.0652222	0.22000	.107222	0.61667	29.000	2.9333	74.667	6.7722	22.9444	6.0000	26.9611
4504	730328	1	5.63	.089667	.0189167	0.40167	.081667	0.34167	19.750	5.7250	52.417	7.7167	12.1667	8.5375	15.2167
4504	730709	2	7.44	.037417	.0081667	0.13333	.130000	0.61667	57.000	10.4750	86.500	7.6333	21.7500	6.6750	29.7750
4504	730918	3	4.30	.086250	.0173333	0.13917	.137500	0.68333	31.500	8.2500	56.333	6.7917	18.0833	4.5000	26.5750
4505	730627	1	12.68	.011887	.0032847	0.07214	.071639	0.30278	125.083	8.0750	94.094	7.2618	13.2125	7.3931	28.0231
4505	730915	2	6.60	.011722	.0049444	0.03194	.041111	0.36389	80.583	5.2333	69.212	6.3028	11.6667	6.5750	27.7222
4505	731113	3	9.06	.017264	.0044306	0.05361	.081389	0.44167	69.000	3.6250	85.319	6.5139	13.7222	7.5667	16.9583
4506	730327	1	3.98	.072583	.0116389	0.24333	.047222	0.41944	22.000	8.2667	63.111	7.5944	10.7222	9.2750	15.0556
4506	730710	2	5.65	.050722	.0104167	0.16611	.113889	0.78611	36.667	9.8500	83.139	7.1333	23.1389	7.0139	29.8056
4506	730922	3	3.92	.063278	.0138056	0.13639	.069444	0.59444	29.500	8.0667	66.889	6.6583	14.3889	5.6000	26.6972
4507	730327	1	7.89	.043286	.0114286	0.25571	.047619	0.37619	49.857	5.7286	84.333	7.5333	13.5238	9.5214	13.7048
4507	730709	2	9.16	.020524	.0059048	0.07619	.084762	0.46190	85.714	7.1143	86.238	7.5143	17.9524	6.7500	29.5762
4507	730922	3	4.85	.020786	.0087143	0.03429	.050000	0.50714	89.714	6.5000	92.214	6.7643	20.7857	6.7214	27.0643
4508	730322	1	64.68	.011778	.0037778	0.68167	.081111	0.41111	48.000	6.6000	87.500	6.1500	10.0000	8.5500	15.8778
4508	730706	2	15.03	.016000	.0075556	0.10667	.130000	0.41111	36.000	2.6667	85.111	5.4556	10.0000	5.7833	31.3667
4508	730921	3	10.56	.014333	.0130000	0.06833	.081667	0.75000	39.667	16.5667	86.167	6.0500	10.0000	6.8000	29.0167
4510	730330	1	4.858	.114500	.040667	0.38792	.162083	0.46667	14.250	3.750		7.22917	15.667	9.0750	14.2333
4510	730706	2	3.666	.082917	.025000	0.18833	.122500	0.41667	28.500	9.075	78.3333	7.60000	21.250	6.3750	24.0083
4510	730921	3	4.845	.064000	.030250	0.15500	.118750	0.90000	30.250	12.400	82.7500	7.18750	19.625	6.4750	26.7500
4511	730347	1	7.134	.063667	.020250	0.33833	.102500	0.33333	15.750	5.267		7.37500	13.333	9.4750	13.8500
4511	730712	2	10.613	.027750	.004917	0.14583	.138333	0.37500	46.333	5.225	71.3750	6.94167	19.333	6.3500	28.9750
4511	730920	3	6.129	.028000	.011250	0.07625	.097500	0.60000	46.000	4.650	89.6250	6.45000	12.500	5.1250	26.8250
4512	730326	1	5.402	.049429	.008214	0.23119	.034286	0.37619	24.571	10.143	74.5952	7.43810	14.048	9.5500	15.4476
4512	730709	2	7.160	.024639	.005292	0.08722	.089306	0.76250	52.667	7.583	95.0694	7.49722	24.931	7.2056	30.0569
4512	730921	3	3.879	.017972	.005222	0.03056	.039722	0.47222	60.000	8.450	95.8056	7.00278	16.944	7.1667	27.7972
4513	730625	1	16.234	.009979	.002479	0.10167	.051458	0.24375	110.000	5.050	91.4583	6.76875	15.708	7.9583	25.6833
4513	730917	2	12.783	.008104	.004937	0.06292	.037708	0.33333	115.750	2.375	94.8750	6.31458	10.667	6.4083	25.8604
4513	731113	3	11.377	.007417	.002917	0.04000	.043750	0.27500	159.000	1.075	86.8333	6.40833	12.333	8.1000	16.8333
4514	730626	1	6.487	.040444	.005667	0.16111	.093333	0.52222	48.000	21.233	77.7778	7.41111	15.889	6.3667	27.2111
4514	730918	2	4.309	.075000	.021222	0.20000	.117778	0.76667	20.000	1.867	39.3333	6.77778	11.333	3.0667	24.5778
4514	731114	3	6.685	.056611	.009500	0.17111	.093333	0.53889	43.667	9.867	91.4444	6.66667	20.444	8.5333	13.8556
4515	730623	1	4.730	.059167	.005333	0.18000	.093333	0.20000	18.500	2.050	24.0000	7.25000	13.500	7.6250	22.2833
4515	730918	2	3.982	.072750	.006750	0.14000	.070000	0.47500	27.000	1.350	60.7500	6.40000	12.250	7.0000	21.3750
4515	731114	3	4.082	.045333	.006667	0.10750	.075000	0.24167	24.000	1.150	78.3333	6.57500	14.833	10.2000	8.9833
4516	730329	1	8.558	.050833	.005222	0.30944	.068889	0.28333	17.667	3.833	47.6667	7.76111	15.444	9.1667	13.4667
4516	730711	2	14.601	.020333	.012667	0.15000	.138889	0.46667	44.667	2.167	83.4444	7.03333	13.333	5.9000	27.9444
4516	730920	3	15.417	.013389	.007889	0.03111	.162222	0.49444	58.000	5.733	91.7222	6.83333	15.056	5.2778	24.6944
4701	730517	1	3.542	.131308	.041275	0.40225	.048917	0.34917	25.111	17.540	63.9000	7.96417	85.383	9.6650	16.9000
4701	730814	2	3.554	.122889	.055583	0.32306	.121389	0.46944	30.167	11.267	76.4167	7.45000	64.083	6.4250	26.2444
4701	731020	3	4.106	.132933	.075467	0.44600	.083333	0.33333	26.400	5.500	56.4667	7.32667	57.600	6.1250	22.7200
4704	730403	1	22.610	.066000	.058167	1.04167	.296667	0.48333	37.250	13.650		8.00833	75.917	9.5250	13.7667
4704	730712	2	17.494	.054271	.023542	0.37937	.124375	0.55833	60.250	11.100	95.5153	8.38125	84.854	6.8943	25.6458
4704	731027	3	19.404	.056792	.029292	0.52000	.078750	0.45000	72.000	9.175	83.2500	7.88750	80.458	6.1000	18.2833
4706	730521	1	6.933	.092333	.033167	0.39167	.060000	0.40000	21.000	6.550	62.5000	7.45000	54.500	9.7000	17.6333

(Continued)

TABLE B-2. PARTIAL-DEPTH MEAN PARAMETER VALUES LISTED BY LAKE-DATE (Continued)

STORET	DATE	ROUND	N/P	TOTALP	ORTHOP	NO2NO3	NH3	KJEL	SECCHI	CHLA	TURB	PH	ALK	DO	TEMP
4706	730816	2	2.439	.188167	.105833	0.31000	.148333	0.40000	28.000	8.100	82.5000	7.40000	60.333	6.0000	24.9333
4706	731023	3	3.426	.154667	.088000	0.37000	.160000	0.46667	33.000	11.500	57.6667	7.36667	59.000	5.8000	29.6333
4707	730524	1	17.218	.048000	.009381	0.64286	.082381	0.60000	49.714	12.786	89.9048	8.59048	93.524	8.8714	20.3714
4707	730823	2	13.816	.037143	.018143	0.35500	.098571	0.64286	55.571	13.600	83.0714	8.48571	78.214	7.0857	26.7643
4707	731027	3	12.436	.068000	.027381	0.65048	.067143	0.58571	48.714	10.100	89.7143	7.96190	84.571	6.5000	20.9000
4708	730524	1	14.273	.030667	.010611	0.36278	.073889	0.39444	34.667	3.583	83.1111	7.48333	55.556	7.7167	19.3611
4708	730823	2	16.503	.027167	.010389	0.33778	.084444	0.30556	36.667	3.783	86.6111	7.43333	54.222	5.8333	25.5944
4708	731029	3	9.988	.038000	.013194	0.31583	.056806	0.24306	37.167	1.967	88.9306	7.44861	53.069	6.8580	19.2833
4711	730525	1	17.956	.027389	.011611	0.38556	.053889	0.35556	63.000	3.850	94.7222	7.85000	45.667	8.5500	21.1167
4711	730823	2	12.811	.021000	.007083	0.15833	.068333	0.38333	60.000	6.050	83.9444	7.95833	45.417	6.7600	26.6750
4711	731027	3	12.866	.029533	.014267	0.27200	.053333	0.35333	46.800	3.600	89.6000	7.42000	44.867	6.2600	20.3667
4712	730525	1	14.147	.056571	.025333	0.69619	.069524	0.42857	32.286	6.386	76.0952	8.04286	80.333	9.0143	18.0476
4712	730824	2	11.429	.046024	.017095	0.37095	.145000	0.52619	29.429	3.929	83.0238	7.78571	64.810	4.7629	24.1976
4712	731028	3	7.136	.070048	.036345	0.39107	.067738	0.45952	41.571	4.014	76.5476	7.65714	63.631	6.6143	20.0952
4713	730531	1	16.181	.028000	.008333	0.34333	.080833	0.42500	21.250	0.550	50.8889	7.03333	33.750	8.8750	17.2833
4713	730817	2	15.457	.017937	.005917	0.19271	.080208	0.49167	71.000	6.900	88.2292	7.66250	68.875	6.9417	25.3833
4713	731024	3	10.164	.021167	.007792	0.12917	.072917	0.30833	74.500	4.500	96.5000	7.72917	105.667	7.3500	18.5167
4717	730523	1	9.212	.109250	.063083	0.43333	.340833	0.64167	27.750	2.850	83.0833	7.26667	58.583	7.7000	19.4417
4717	730816	2	9.686	.080292	.046625	0.41417	.092917	0.60833	40.000	4.200	83.2083	6.68333	54.042	5.5500	26.8125
4717	731030	3	8.433	.055083	.028750	0.36750	.090833	0.27500	52.750	1.175	93.8333	7.41667	58.667	6.7250	18.7083
4720	730522	1	6.848	.053800	.018000	0.32200	.033333	0.22667	22.000	5.920	62.6000	7.84667	51.333	10.0800	16.6267
4720	730816	2	3.767	.055733	.015433	0.14633	.058667	0.54667	34.400	12.380	83.3333	7.97333	52.800	9.9200	25.8967
4720	731022	3	4.282	.070000	.022222	0.22778	.048889	0.32222	37.000	8.200	86.1111	7.74444	47.889	7.9333	20.3444
4722	730525	1	17.730	.029229	.012083	0.44479	.062917	0.35417	37.875	5.525	80.7917	7.69792	62.042	8.6375	18.4458
4722	730824	2	18.222	.026917	.010875	0.38958	.074375	0.41042	39.125	7.462	82.6042	7.91042	67.479	6.9875	23.9896
4722	731027	3	9.565	.043146	.015854	0.35990	.048021	0.28229	36.250	3.662	87.9583	7.51667	61.427	6.5792	20.2094
4723	730521	1	2.713	.044267	.011067	0.07367	.046667	0.42667	55.400	14.560	81.4000	8.37667	135.400	9.2800	20.5867
4723	730817	2	3.179	.052133	.021500	0.07367	.079667	0.66333	81.600	7.340	91.300	7.89667	105.633	5.4600	27.7667
4723	731024	3	2.228	.043800	.017733	0.02533	.049333	0.41333	72.400	8.080	87.867	7.79333	117.267	6.6800	20.3333
4724	730522	1	21.391	.021444	.006000	0.40944	.045556	0.30556	81.000	8.333	86.500	8.46667	60.667	8.6833	20.5222
4724	730815	2	6.281	.024833	.007722	0.08444	.065556	0.33333	94.667	7.733	94.389	7.95000	61.222	4.5333	28.0944
4724	731023	3	2.974	.021750	.006722	0.02611	.036389	0.30278	129.833	4.150	96.889	7.38889	59.528	6.7667	21.6472
4725	730523	1	20.587	.023583	.010750	0.42583	.057500	0.37500	58.500	11.825	89.417	8.76667	78.583	10.3250	18.7083
4725	730820	2	11.617	.014750	.005583	0.11750	.043333	0.43333	98.250	7.750	92.417	8.15833	73.750	8.2750	26.8500
4725	731027	3	24.232	.012667	.012375	0.21083	.048333	0.27917	129.000	3.425	87.125	7.93333	82.292	6.2000	19.4208
4727	730515	1	1.079	.146167	.033125	0.06792	.072083	0.62083	31.000	29.700	60.792	8.05000	86.542	8.3500	21.3083
4727	730811	2	0.902	.378583	.177417	0.15542	.179167	2.89583	18.250	128.525	30.083	8.56667	101.417	3.0750	29.0167
4727	731019	3	0.684	.220375	.058000	0.07500	.073750	2.00000	17.000	84.650	51.000	8.60000	102.375	4.2000	20.0500
4728	730521	1	39.094	.018125	.003167	0.60125	.063125	0.37292	79.000	9.400	86.729	7.93333	67.521	8.0167	19.7104
4728	730815	2	9.106	.024250	.008417	0.13917	.088333	0.60000	56.500	6.600	86.667	8.01667	66.333	6.1875	27.2667
4728	731023	3	6.639	.018333	.004229	0.04729	.065625	0.36667	77.250	6.175	94.147	8.06458	74.938	8.6583	20.1958
5103	730404	1	17.854	.041167	.010208	0.64875	.069583	0.28750	28.750	1.850	69.875	7.77500	30.625	9.5625	12.5750
5103	730716	2	13.727	.022625	.004250	0.20875	.085833	0.33750	64.000	5.975	103.417	8.06250	32.042	7.1000	26.4979
5103	730927	3	11.082	.023583	.007917	0.20000	.055833	0.40000	68.750	9.100	36.917	7.20000	36.083	6.7000	22.9917
5105	730405	1	26.726	.013167	.003000	0.31250	.035833	0.20833	27.250	3.650	72.167	6.89167	18.083	9.7625	22.1417
5105	730718	2	15.886	.010556	.005667	0.04889	.058889	0.41111	144.000	10.567	80.778	8.28889	27.111	8.8778	27.2000
5105	730927	3	13.726	.009500	.004125	0.06875	.047500	0.41250	111.500	4.800	85.125	7.03750	24.000	6.9875	23.7625
5106	730407	1	4.748	.063194	.012389	0.22611	.062500	0.28056	23.833	8.400	73.000	7.41000	27.361	9.9167	13.3639
5106	730713	2	7.005	.036111	.009694	0.13528	.080833	0.54444	59.600	8.417	82.478	7.78333	35.500	6.1528	27.8131
5106	730925	3	3.766	.054083	.017583	0.09167	.068333	0.70000	43.200	9.683	83.500	6.98333	34.167	6.7667	24.8250
5108	730410	1	5.735	.094667	.033556	0.41333	.127778	0.72222	12.000			8.46667	21.111	9.6500	11.8833
5108	730719	2	4.630	.097444	.039333	0.16333	.298889	0.97778	54.000	11.533	77.333	7.41111	35.444	4.8000	25.7556
5108	730929	3	4.101	.099333	.032111	0.20778	.206667	0.91111	45.333	13.300	72.000	7.33333	35.222	3.9667	22.8667
5110	730404	1	24.969	.031933	.008783	0.44383	.075667	0.46833	58.200	18.820	73.667	7.94375	58.767	11.2300	11.9683
5110	730716	2	14.398	.023200	.005400	0.19800	.096000	0.64000	78.400	10.500	106.533	8.58000	81.467	7.1200	26.3333
5110	730926	3	9.966	.022917	.007083	0.12850	.070000	0.47833	104.400	5.440	89.083	7.39167	71.383	4.8467	22.9267
5111	730407	1	4.868	.048500	.007889	0.15944	.075000	0.41667	20.000	4.733	58.000	7.40556	27.111	9.1000	14.1722
5111	730713	2	5.977	.039778	.006556	0.08778	.118889	0.84444	47.333	14.867	61.000	7.41111	39.000	5.6833	28.2000
5111	730926	3	5.614	.053333	.015500	0.04833	.170556	0.86667	35.333	18.067	75.833	6.82222	31.611	5.7333	23.5833
5112	730409	1	1.869	.071500	.019000	0.05750	.075000	0.57500	60.000	7.950	79.250	6.75000	15.250	8.4500	14.3000
5112	730926	3	1.505	.061500	.008000	0.03000	.060000	0.95000	37.000	19.250	86.250	6.55000	25.500	6.2000	23.7500

(Continued)

TABLE B-2. PARTIAL-DEPTH MEAN PARAMETER VALUES LISTED BY LAKE-DATE

STORET	DATE	ROUND	N/P	TOTALP	ORTHOP	NO2NO3	NH3	KJEL	SECCHI	CHLA	TURB	PH	ALK	DO	TEMP
5113	730409	1	5.144	.104389	.028500	0.44889	.062778	0.41111	18.000	5.133		7.67222	12.778	10.3500	11.6222
5113	730719	2	11.699	.058667	.021333	0.28333	.191111	0.53333	54.000	6.367	70.444	7.51111	20.667	6.4333	25.4222
5113	730929	3	5.267	.085167	.028056	0.20000	.146667	0.54444	47.333	8.500	86.389	6.97222	19.778	6.4333	22.6167
5401	730403	1	12.620	.082708	.017250	0.94958	.086667	0.36250	17.000	1.650	40.389	7.70833	43.167	10.2167	12.3778
5401	730718	2	17.782	.067500	.024500	1.10333	.091667	0.21667	25.500	26.350	51.208	7.71667	53.667	6.8750	24.8792
5401	730926	3	21.387	.081833	.020000	1.73250	.054167	0.50833	36.000	22.425	83.417	8.56667	64.417	9.1667	24.3250
5402	730424	1	98.486	.005222	.002556	0.47000	.043333	0.26667	88.000	0.500	88.000	5.30000	10.000	9.3667	15.4889
5402	730728	2	85.425	.005167	.002667	0.30917	.125833	0.35833	116.000	11.967	91.417	4.05000	10.000	7.1000	26.1917
5402	731005	3	61.298	.008333	.003333	0.29889	.195556	0.53333	86.333	1.733		4.73333	10.000	7.5000	22.1778
5403	730403	1	55.789	.015667	.002917	0.79833	.042500	0.20833	24.667	0.475	70.167	7.15833	10.000	10.6625	10.5583
5403	730718	2	57.206	.010375	.006750	0.50667	.064167	0.30833	216.000	13.425	121.058	6.95833	10.958	7.8125	25.5806
5403	730928	3	33.950	.012750	.007583	0.36167	.046667	0.34167	140.000	4.825	94.917	6.68333	11.333	9.4500	24.0500
5404	730423	1	78.799	.006517	.005667	0.47967	.032833	0.31333	88.000	0.633	84.733	6.47000	10.000	10.2028	15.1528
5404	730728	2	62.008	.005000	.002694	0.26639	.043611	0.22778	126.000	1.533	93.222	6.49167	12.583	7.6167	26.7833
5404	731005	3	61.008	.005972	.005889	0.27583	.080278	0.26944	150.000	1.367		6.43611	10.361	7.4111	23.4028

APPENDIX C

HISTOGRAMS OF PHYSICAL, CHEMICAL, AND MORPHOLOGICAL DATA

The histograms characterize lakes sampled by the National Eutrophication Survey during 1973. Figures C-1 through C-13 are based on partial-depth data presented in Table B-2. Figures C-14 through C-19 are based on the best available information for each study lake.

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Ammonia-Nitrogen	C-4	59
Total Kjeldahl Nitrogen	C-5	60
N/P	C-6	60
Secchi Disc	C-7	61
Turbidity	C-8	61
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Total Alkalinity	C-10	62
Dissolved Oxygen	C-11	63
Temperature	C-12	63
Chlorophyll a	C-13	64
Surface Area	C-14	64
Mean Depth	C-15	65
Maximum Depth	C-16	65
Lake Volume	C-17	66
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Drainage Area	C-19	67

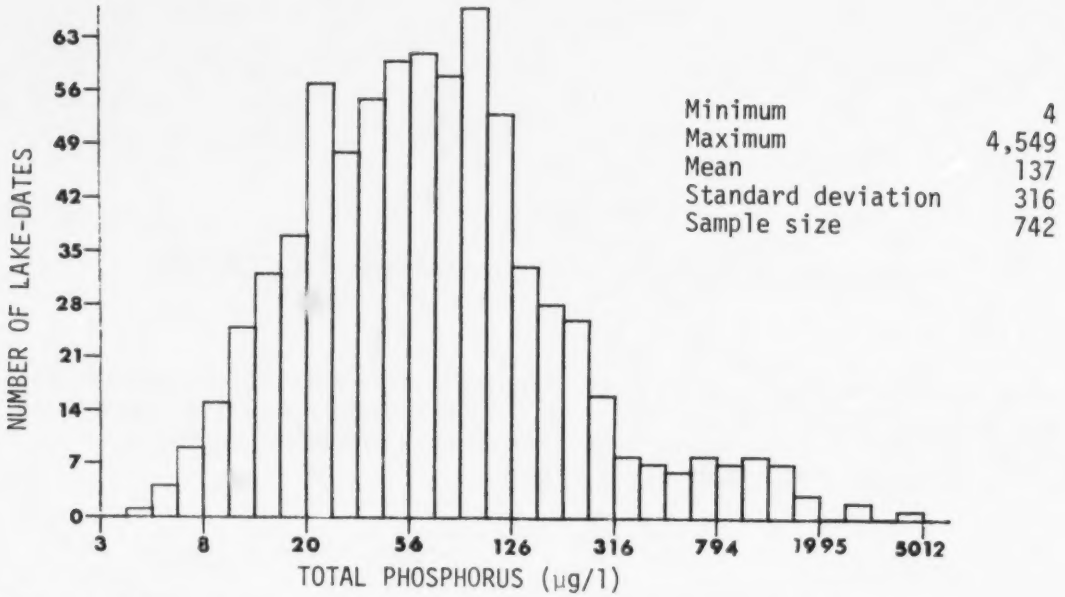

Figure C-1. Distribution of eastern lakes by partial-depth total phosphorus values. Scale is semi-logarithmic and class intervals are incremented by 0.1 $\log_{10}$ units.

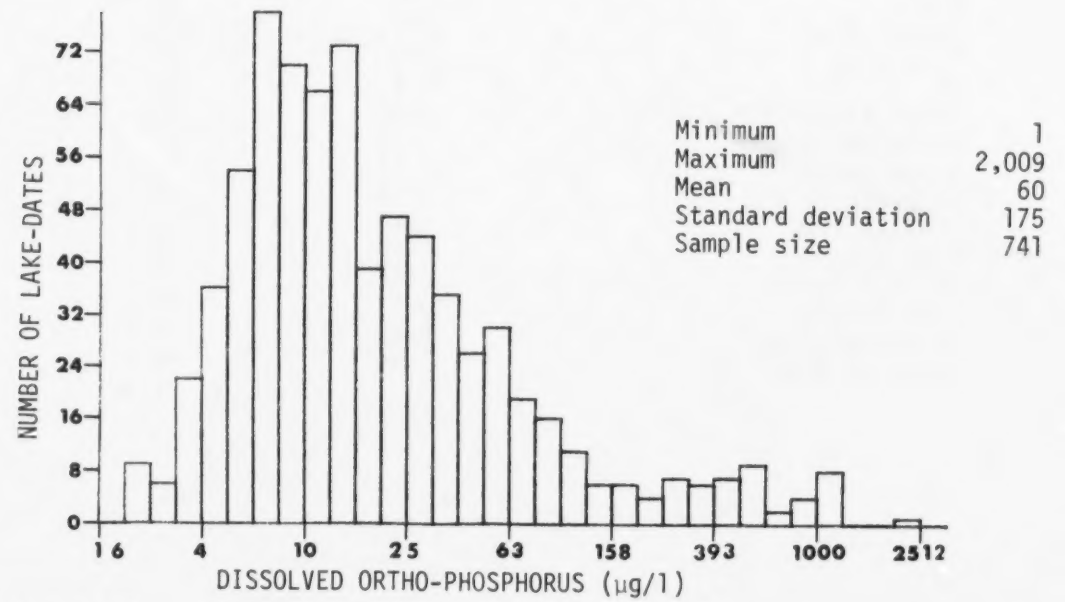

Figure C-2. Distribution of eastern lakes by partial-depth dissolved ortho-phosphorus values. Scale is semi-logarithmic and class intervals are incremented by 0.1_{10} units.

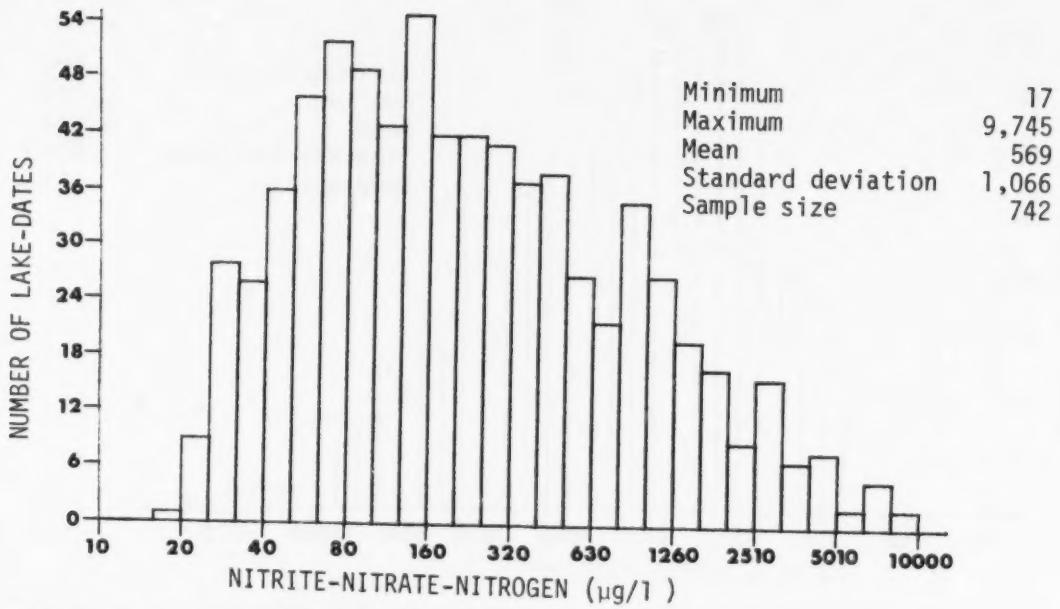

Figure C-3. Distribution of eastern lakes by partial-depth nitrite-nitrate-nitrogen values. Scale is semi-logarithmic and class intervals are incremented by 0.1 $\log_{10}$ units.

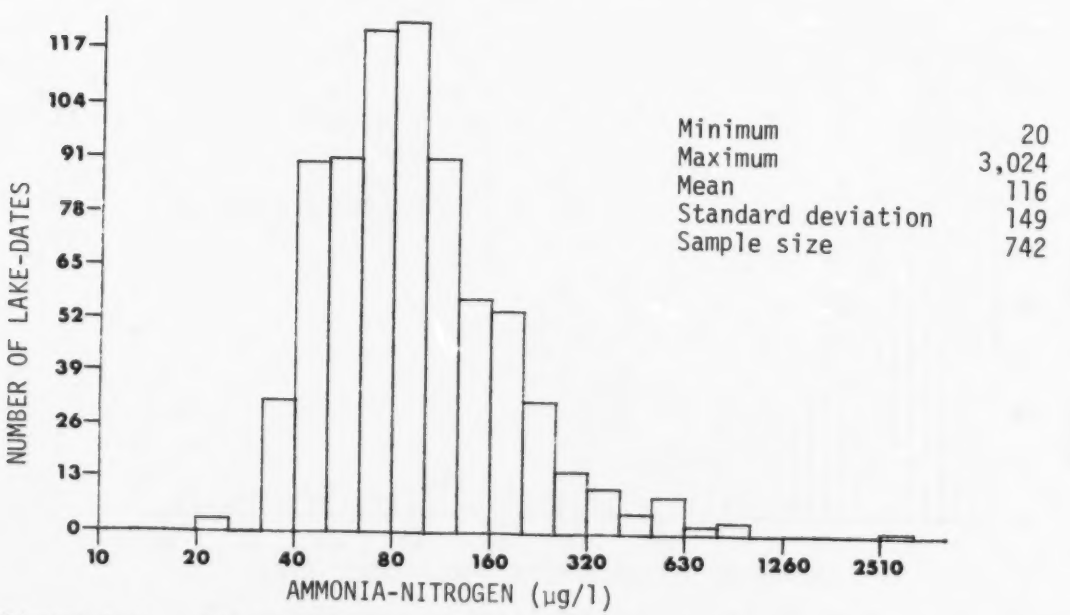

Figure C-4. Distribution of eastern lakes by partial-depth ammonia-nitrogen values. Scale is semi-logarithmic and class intervals are incremented by 0.1 $\log_{10}$ units.

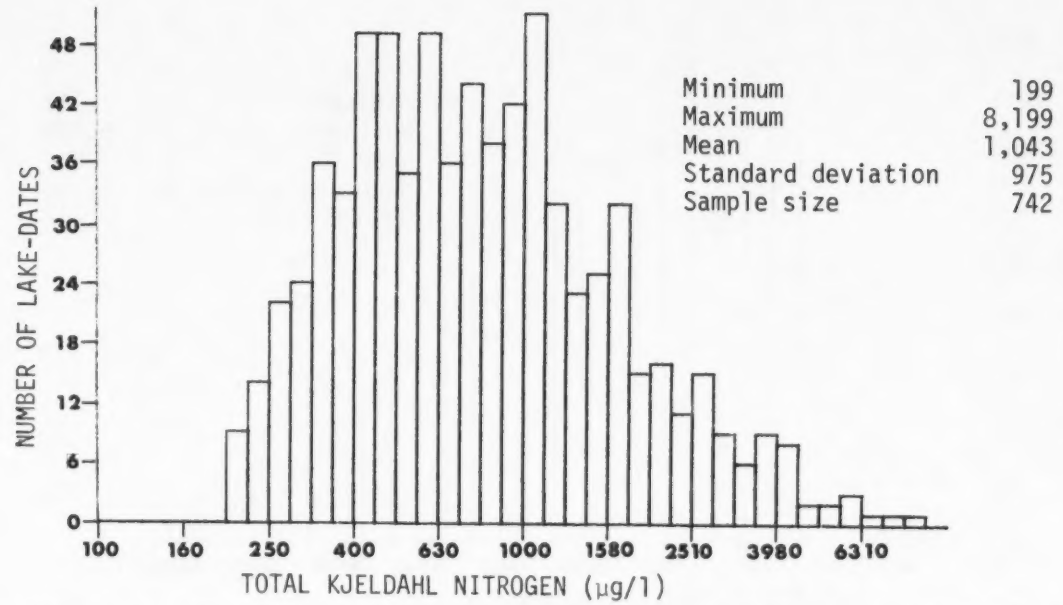

Figure C-5. Distribution of eastern lakes by partial-depth total Kjeldahl-nitrogen values. Scale is semi-logarithmic and class intervals are incremented by 0.05 $\log_{10}$ units.

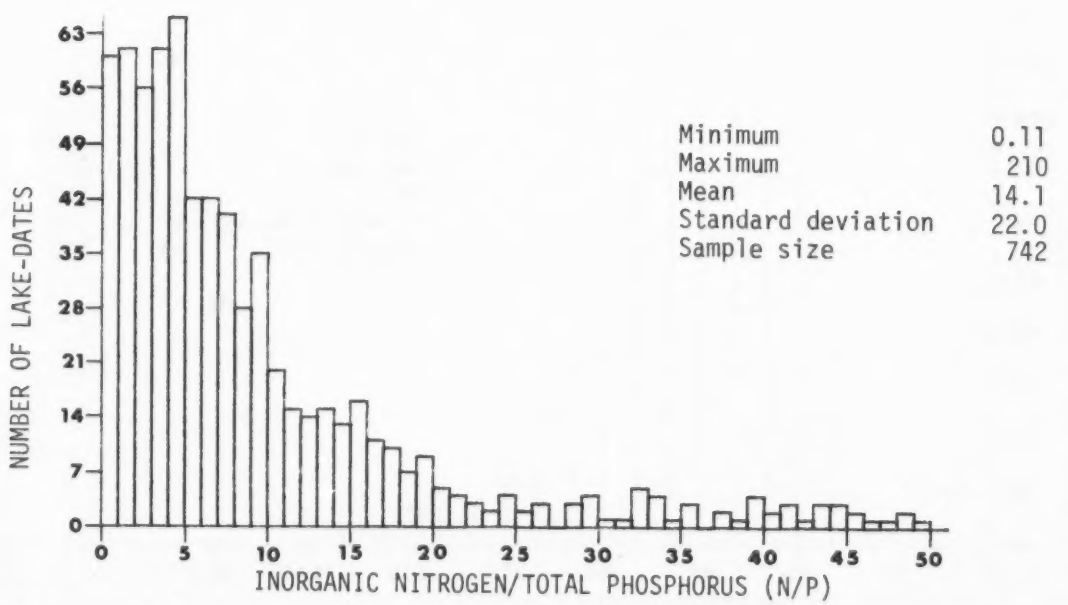

Figure C-6. Distribution of eastern lakes by partial-depth N/P values (51 lake-dates had N/P values greater than 50).

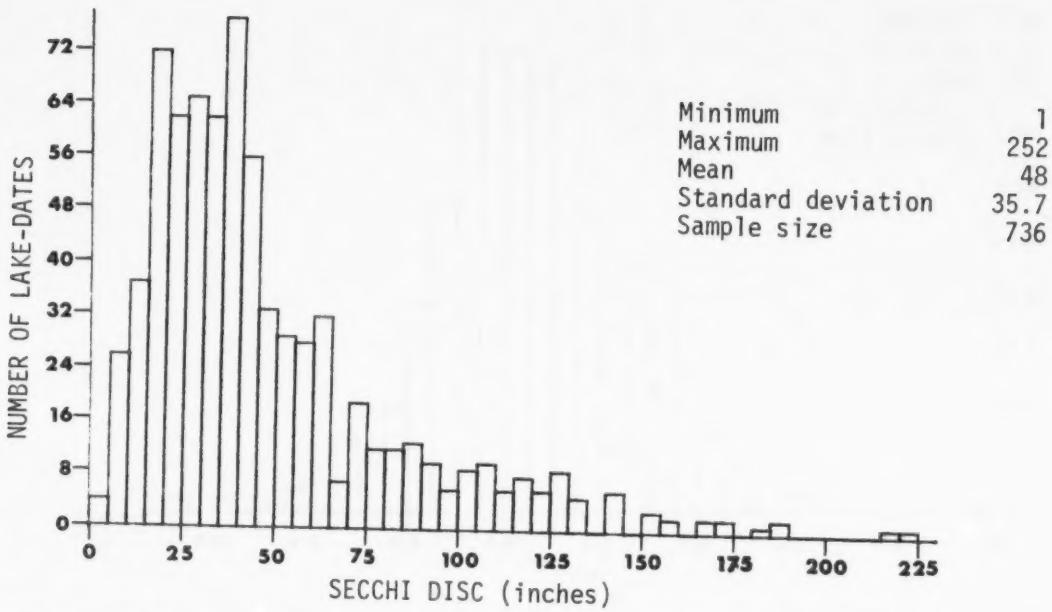

Figure C-7. Distribution of eastern lakes by partial-depth Secchi disc values.

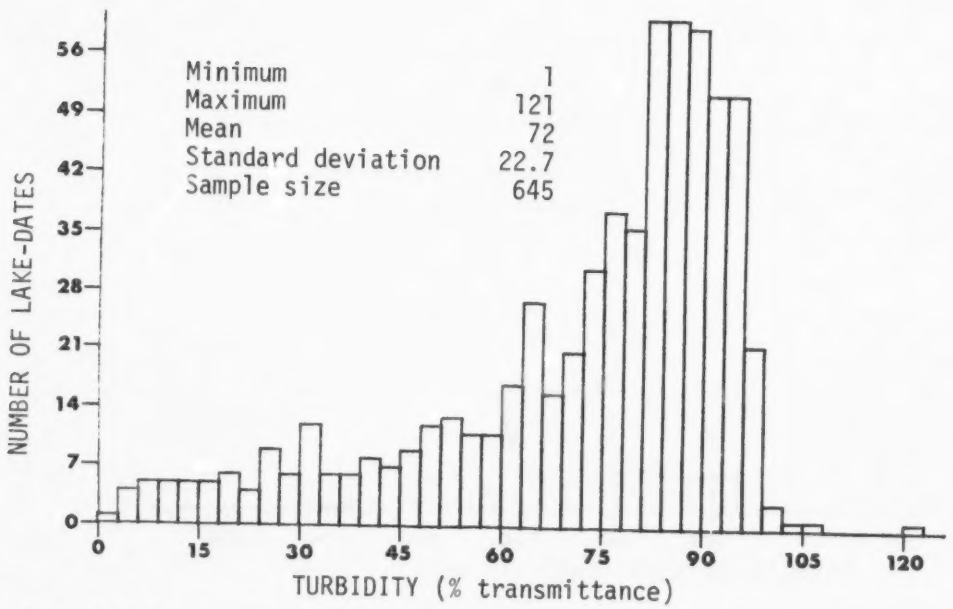

Figure C-8. Distribution of eastern lakes by partial-depth turbidity values.

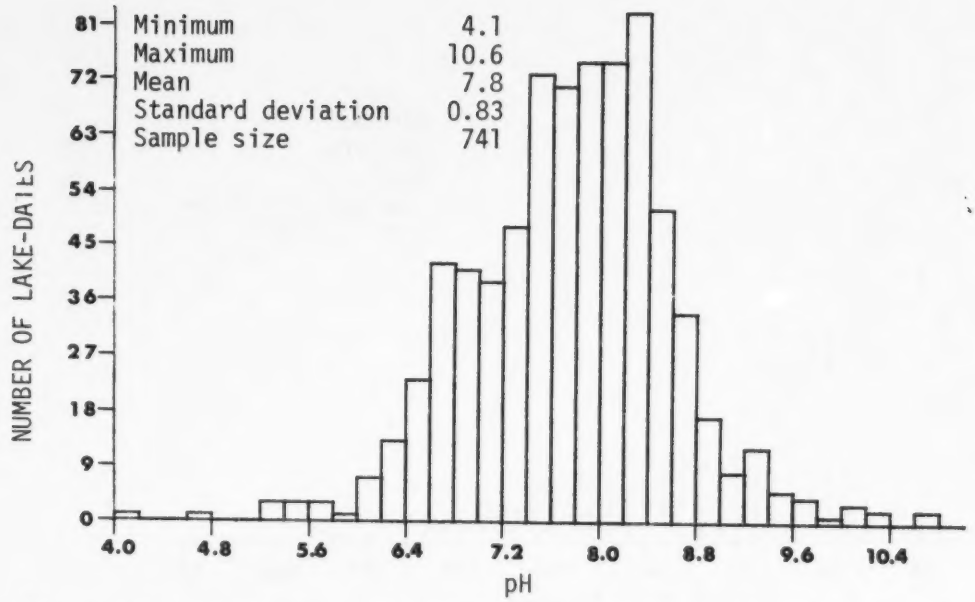

Figure C-9. Distribution of eastern lakes by partial-depth pH values.

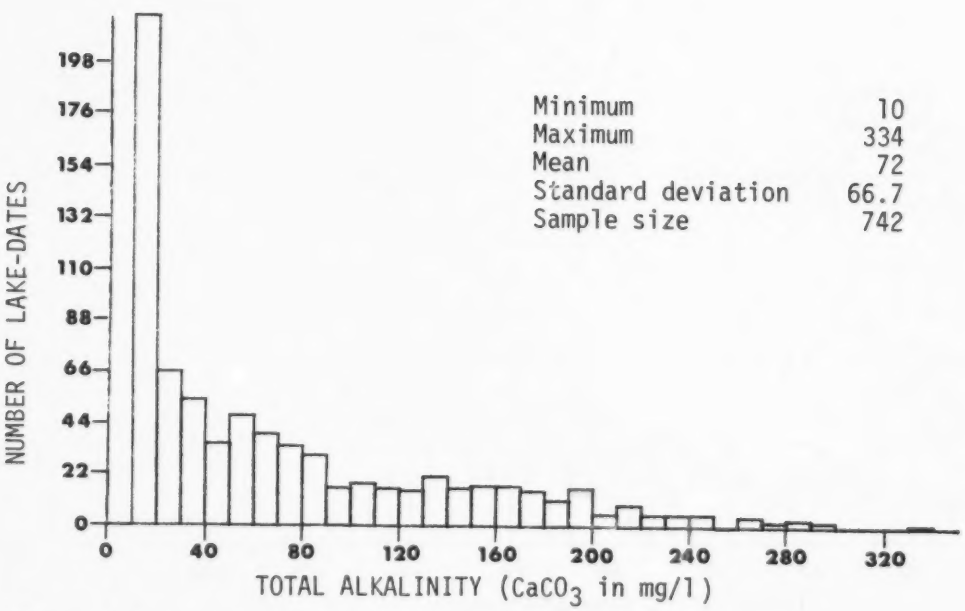

Figure C-10. Distribution of eastern lakes by partial-depth total alkalinity values.

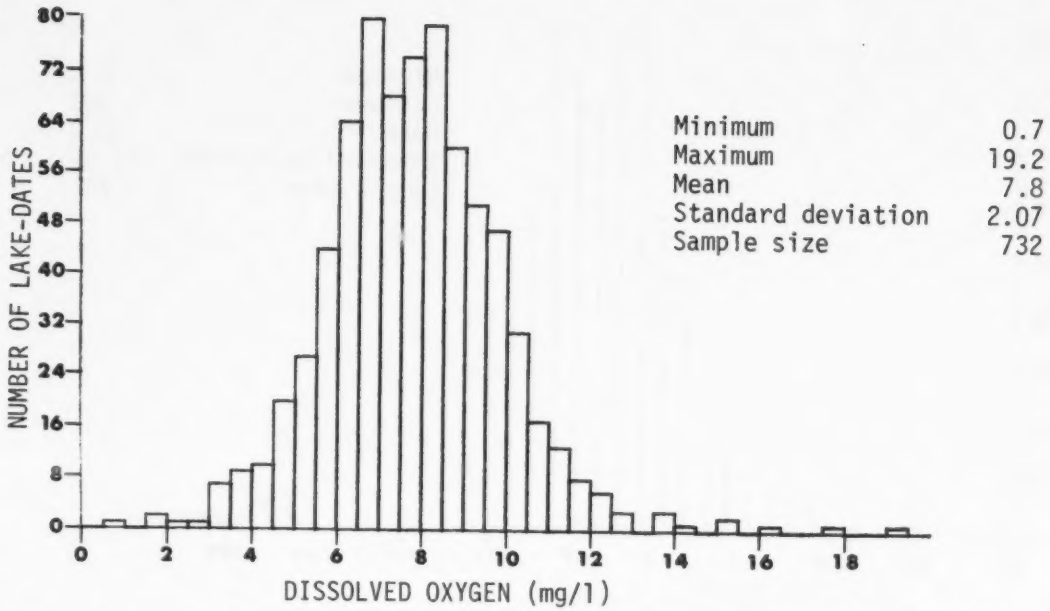

Figure C-11. Distribution of eastern lakes by partial-depth dissolved oxygen values.

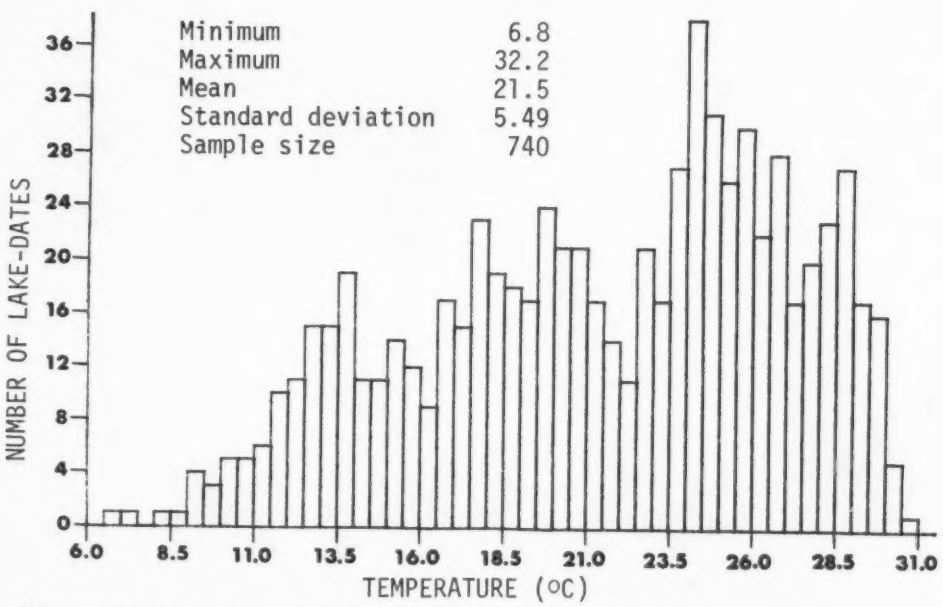

Figure C-12. Distribution of eastern lakes by partial-depth temperature values.

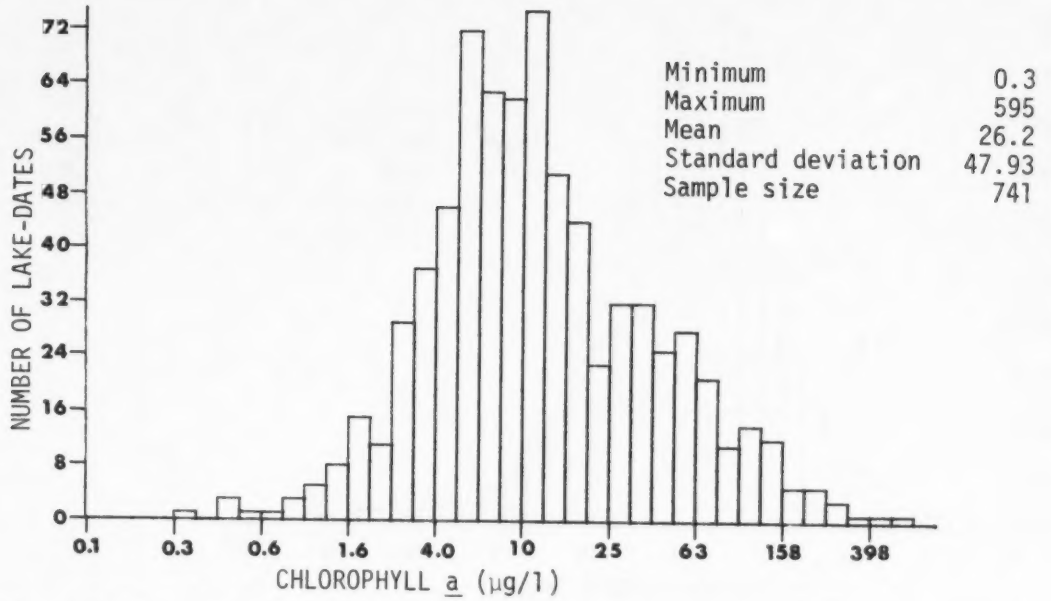

Figure C-13. Distribution of eastern lakes by partial-depth chlorophyll a values. Scale is semi-logarithmic and class intervals are incremented by 0.1 $\log_{10}$ units.

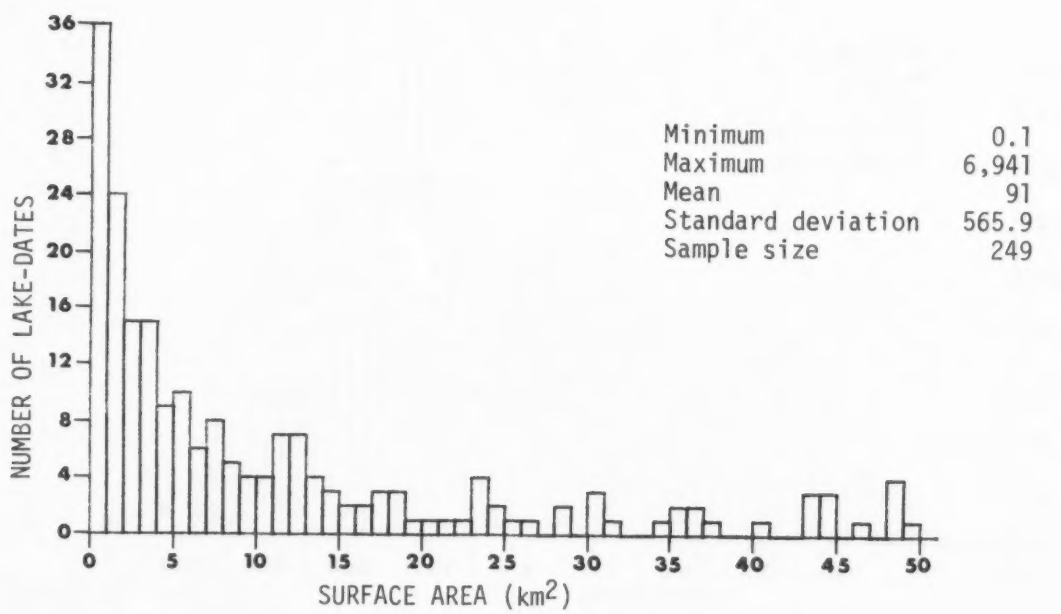

Figure C-14. Distribution of eastern lakes by surface area (33 lakes had surface areas greater than 50 kilometers^2).

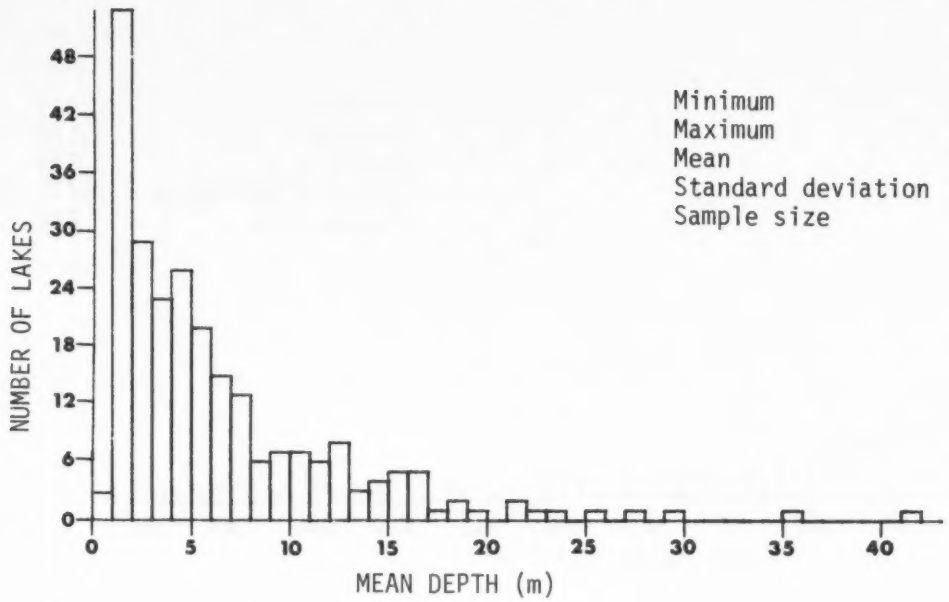

Figure C-15. Distribution of eastern lakes by mean depth.

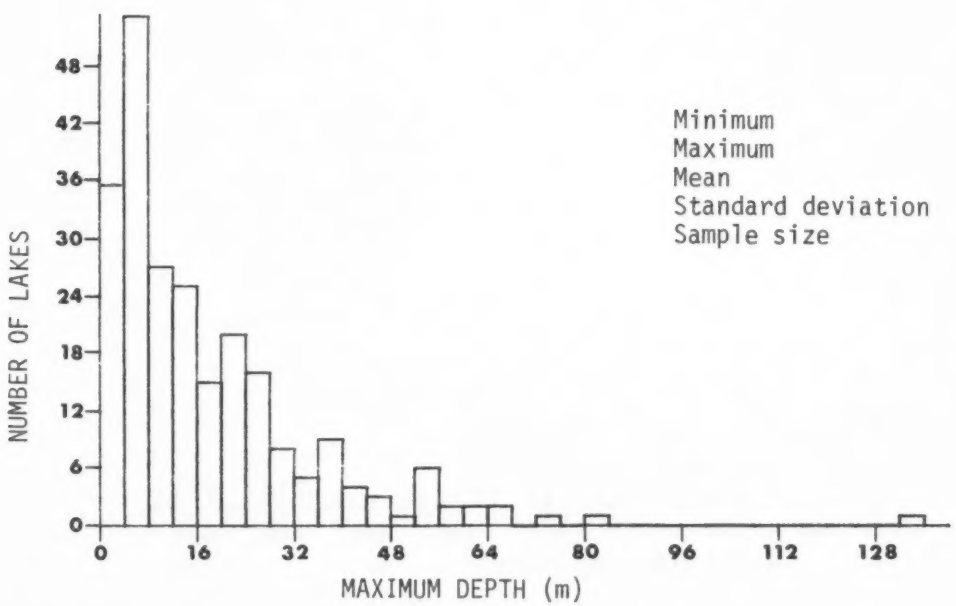

Figure C-16. Distribution of eastern lakes by maximum depth.

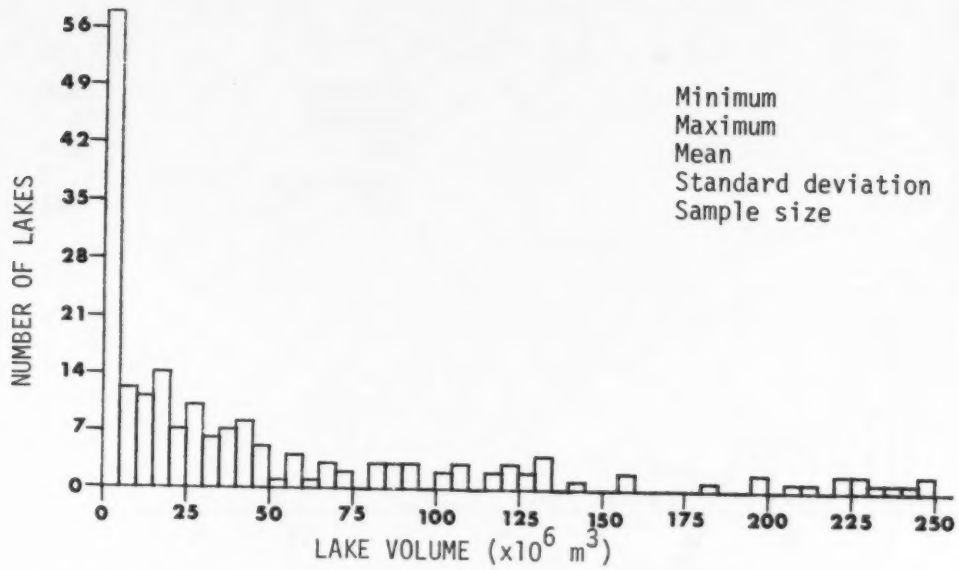

Figure C-17. Distribution of eastern lakes by lake volume (57 lakes had volumes greater than 250 × 10^5 meters^3).

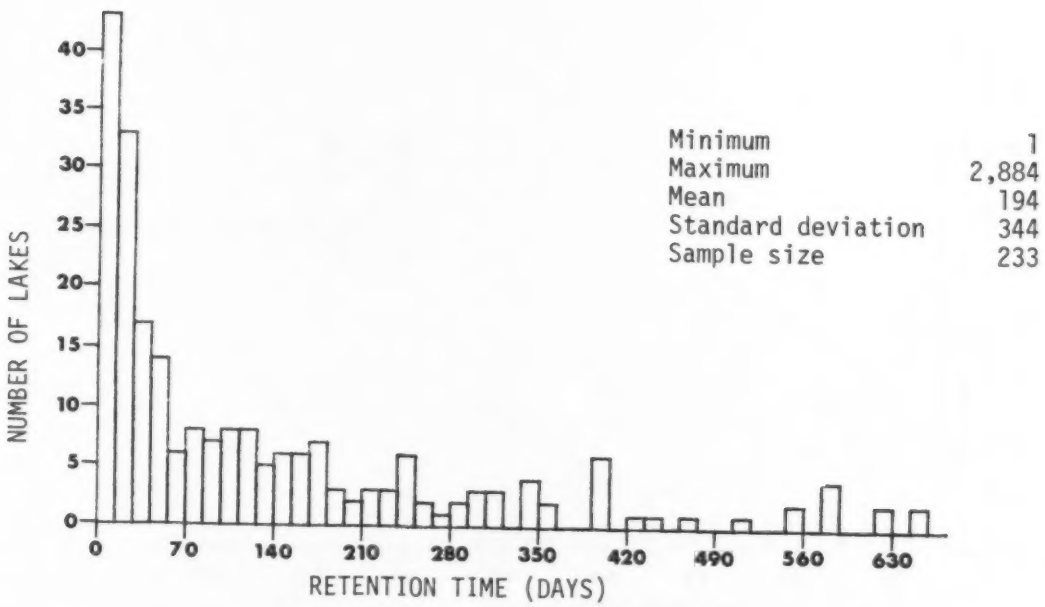

Figure C-18. Distribution of eastern lakes by retention time (14 lakes had retention times greater than 700 days).

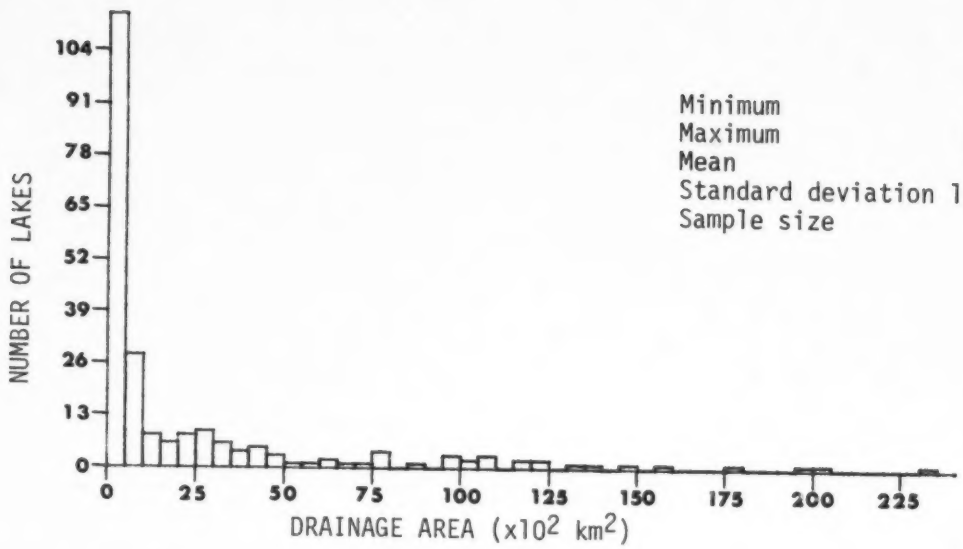

Figure C-19. Distribution of eastern lakes by drainage area (16 lakes had drainage areas greater than 230×10^2 kilometers^2).

* U.S. GOVERNMENT PRINTING OFFICE: 1979 684-479

Reports published to date in the series "Phytoplankton Water Quality Relationships in U.S. Lakes," U.S. Environmental Protection Agency, Environmental Monitoring and Support Laboratory, Las Vegas, Nevada 89114, are listed here. Additional reports in this series are planned for publication in the near future.

Part I: Methods, rationale, and data limitations. EPA-600/3-79-021. 67 pp. March 1979.

Part II: Genera *Acanthosphaera* through *Cystodinium* collected from eastern and southeastern lakes. EPA-600/3-79-022. 119 pp. March 1979.

Part III: Genera *Dactylococcopsis* through *Gyrosigma* collected from eastern and southeastern lakes. EPA-600/3-79-023. 85 pp. March 1979.

Part IV: Genera *Hantzschia* through *Pteromonas* collected from eastern and southeastern lakes. EPA-600/3-79-024. 105 pp. March 1979.

Part V: Genera *Quadrigula* through *Zygnema* collected from eastern and southeastern lakes. EPA-600/3-79-025. 99 pp. March 1979.